

**CITY OF CLINTON**  
**CLINTON WATER AND SEWER DEPARTMENT**  
P.O. BOX 277  
CLINTON, AR 72031  
TELEPHONE (501) 745-4320  
FAX (501) 745-2164

William Hinchey, Manager

Richard McCormac, Mayor

September 24, 2020

Gavin Gray  
Enforcement Analyst  
Division of Environmental Quality  
Office of Water Quality  
5301 Northshore Drive  
North Little Rock, AR 72118

RE: Mercury Minimization Plan Progress Report

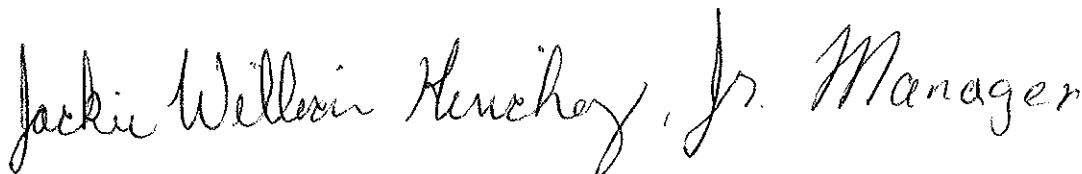
Mr. Gray:

The Clinton Water and Sewer Department has been in contact with Guy Lester with ADEQ. He stated that our Mercury limit would be 12 ug/L (0.012 mg/L). We had ESC, Inc. test for mercury in our effluent this year. Attached are copies of the test results for the samples taken on January 6th and January 15th of this year. Both sample results show the mercury levels to be less than 1.00 ug/L or 0.001 mg/L. We are below our limits.

However, we have requested information from the local hospital and the three dental offices concerning the amount of mercury used at their location and their disposal practices. We want to be able to reduce our mercury levels even more if possible. We have also asked our Engineers, CWB Engineers Inc., to assist us in creating a plan to reduce our mercury levels.

If you have any questions or need any further information, please contact me at 501-745-4320.

Sincerely,



Jackie William Hinchey, Jr., Manager  
Clinton Water and Sewer Department

# 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: 2001010090  
 Customer Name: CLINTON, EAST 001  
 Customer/Permit No.: 495 / AR0048836 001  
 Report Date: 01/24/20  
 Composite Date: 01/05/20 -01/06/20  
 Sample Time: 0800-0800/1244(1-6)  
 Sample Type: 24HRC/GRAB WWATER  
 Sample From: FINAL EFFLUENT  
 Collected By: JJM  
 Delivery By: JJM  
 Work Order:  
 Purchase Order:

### Laboratory Analysis

Analysis		Result		Notes		Quantity		Method		Quality Assurance	
Date	Time By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery			
01/06	1252 JJM	Dissolved Oxygen	10.30 mg/L		96.13 #/day	SM 2001 4500-O G	0.00	N/A *			
01/09	1100 ICF	Ammonia as N, (HACH/SM)	4.67 mg/L		43.59 #/day	H/SM 11 10205/4500	2.85	101.4 *			
01/06	1252 JJM	pH	7.4 S.U.			SM 2011 4500-H+B	0.00	N/A *			
01/07	0800 PJC	Solids, Total Suspended	< 2.50 mg/L		23.33 #/day	SM 2011 2540 D	2.25	N/A *			
01/06	1600 HMK	E. Coliforms	3.1 /100ml			06/2012 Colilert18	0.00	N/A *			
01/06	1600 HMK	Fecal Coliform	4.1 /100ml			06/2012 Colilert18	0.00	N/A *			
01/20	1029 NTR	Cadmium	< 0.10 ug/L		0.00 #/day	EPA 200.8	2.24	86.6 *			
01/08	0730 DWC	BOD, Carbonaceous	< 2.00 mg/L		18.67 #/day	SM 2011 5210 B	5.03	102.4 *			
01/16	1100 PJC	Mercury, ug/L	< 1.00000 ug/L		0.01 #/day	EPA 245.7	2.20	98.0			

Flow 1.120000 MGD = < 0.001 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 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.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215  
 website: www.eslabs.com

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



Springdale, Arkansas  
 479-750-1170

Carlsbad, New Mexico  
 575-887-1ESC

# CHAIN OF CUSTODY

Client Information		Permit/Project #: AR0048836				Requested Parameters					
Address:		Purchase Order #:				NH3-N(15.A), NO3+NO2(91), TotalP(25)					
Phone:		Work Order #:				CBOD(70), TSS(28), Fecal Coliform (43,1F), E. Coli(43,1E)					
Fax:		Sampler Name(s):									
Contact:		and Signature(s):									
ESC Client Number: 495											
Sample Identification		Sample Collection				Sample Containers					
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#		
Final Effluent	2001010090	5/6/20	12:44	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X	
		5/6/20	12:44	24Hr. Comp	Wwater	Plastic	8 oz	H2SO4 to pH < 2	1	X	
		5/6/20	12:44	Grab	Wwater	Plastic	100mls	Cool < 10° C, Na2S2O3	1	X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? <input checked="" type="checkbox"/>	Intact? <input type="checkbox"/>		
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Comments:		Flow Data				Field Test					
		Analyst: JSM				Grab pH: 7.4				S.U.	
		Time: 1:24				Grab DO: 10.3				mg/L	
		Reading: 1.12				E Coli Start: <input type="checkbox"/>					
		Units: MGD				Fecal Start: <input type="checkbox"/>					

ADU

# 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: 2001010244  
 Customer Name: CLINTON, EAST 001  
 Customer/Permit No.: 495 / AR0048836 001  
 Report Date: 02/03/20  
 Composite Date: 01/14/20 -01/15/20  
 Sample Time: 0900-0900/1145(1-15)  
 Sample Type: 24 HR COMP/GRAB WW  
 Sample From: FINAL EFFLUENT  
 Collected By: P GRAHAM/HMK  
 Delivery By: HMK  
 Work Order:  
 Purchase Order:

### Laboratory Analysis

Analysis Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/15	1145	HMK	Dissolved Oxygen	9.10 mg/L		91.00 #/day	SM 2001 4500-O G	1.50	N/A *
01/21	1100	ATL	Ammonia as N, (HACH/SM)	1.09 mg/L		10.90 #/day	H/SM 11 10205/4500	1.09	92.5 *
01/15	1145	HMK	pH	7.2 S.U.			SM 2011 4500-H+B	1.53	N/A *
01/17	1110	HMK	Solids, Total Suspended	< 2.50 mg/L		25.00 #/day	SM 2011 2540 D	11.76	N/A *
01/15	1815	HMK	E. Coliforms	< 1.0 /100ml			06/2012 Colilert18	0.00	N/A
01/15	1815	HMK	Fecal Coliform	< 1.0 /100ml			06/2012 Colilert18	0.00	N/A
01/17	0650	DWC	BOD, Carbonaceous	< 2.00 mg/L		20.00 #/day	SM 2011 5210 B	0.00	101.2 *
01/31	1400	PJC	Mercury, ug/L	< 1.00000 ug/L	= < 0.001 mg/L	0.01 #/day	EPA 245.7	0.00	109.9 *
			Flow	1.200000 MGD					

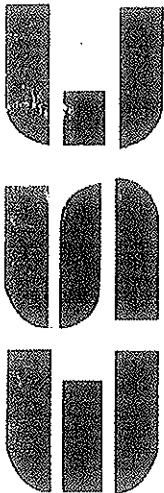
\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 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.

ATL



# CHAIN OF CUSTODY

Environmental Services Company, Inc.  
Corporate Office  
13715 West Markham P.O. Box 55146  
Little Rock, AR 72211 Little Rock, AR 72215  
website: [www.esclabs.com](http://www.esclabs.com)

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

Client Information			Project Information						Requested Parameters				
Client: Clinton, East 001			Permit/Project #: AR0048836										
Address: P.O. Box 277			Purchase Order #:										
Clinton, AR 72031			Work Order #:										
Phone: 501-745-4320			Sampler Name(s): <i>Phil Graham</i>										
Fax: 501-745-2164			and Signature(s): <i>Phil Graham</i>										
Contact: Mr. Phil Graham													
ESC Client Number: 495 (3X per week)													
Sample Identification			Sample Collection					Sample Containers					
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	Requested Parameters			
Final Effluent	20010244	1-17-20	9PM	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 5° C	1	Hg (80.UG) NH <sub>3</sub> -N (15A) CBO(70.), TSS(28) Fecal Coliform (43.F), E. Coli (43.M)			
		1-15-20	0900	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 5° C H2SO <sub>4</sub> to pH <2	1	X			
		1/5/20	1145	Grab	Wwater	Plastic	100mls	Cool ≤ 10° C NERS203	2	X			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:	Intact?			
<i>Phil Graham</i>		1-14-20	9:12	<i>Hayden Kelly</i>			1/14/20	1800	Used? [X] Turnaround [ ]	[ ]			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Regular [ ]	Special [ ]			
<i>Hayden Kelly</i>		1/15/20	1800	<i>COOLE</i>			1-16-20	0600	Were samples properly preserved: [ ]	[ ]			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Result	Result	Units		
				<i>Phil Graham</i>			1-16-20	0600	Result: 7.1	Result: 7.1	SU		
				<i>Hayden Kelly</i>			1-16-20	0600	Result: 9	Result: 9	mg/L		
				<i>Phil Graham</i>			1-16-20	0600	Result: 4.4	Result: 4.4	mg/L		
				<i>Phil Graham</i>			1-16-20	0600	Result: 4.4	Result: 4.4	mg/L		
				<i>Phil Graham</i>			1-16-20	0600	Result: 4.4	Result: 4.4	mg/L		
Comments:	* Hg sample preserved in lab.												
	This Document is Page 1 of 1												

