

# 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: 1806010510  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/02/22

Sample Date : 06/28/18  
Sample Time : 1022  
Sample Type : GRAB WWATER  
Sample From : EAST IRRIGATION WTR

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	1700	PJC	BOD, 5-day	17.0 mg/L			0.00	95.1 *
07/03	1400	PJC	Ammonia as N, (HACH/SM)	5.89 mg/L			2.26	101.1 *
07/02	1230	CLB	Kjeldahl Nitrogen Total	12.60 mg/L			3.35	90.5
07/05	1718	RAH	Potassium	5.5523 mg/L			4.08	107.0 *
07/05	1718	RAH	Copper	< 0.0030 mg/L			7.11	107.5 *
07/05	1718	RAH	Zinc	0.0100 mg/L			3.10	101.5 *
07/05	1718	RAH	Arsenic	< 0.0100 mg/L			4.54	102.6 *
07/05	1718	RAH	Selenium	< 0.0100 mg/L			1.04	103.5 *
06/28	1025	JGK	Spec. Conductance @ 25 C	214.000 umho/c			0.00	N/A *
07/05	1718	RAH	Cadmium	< 0.00400 mg/L			1.80	106.5 *
07/06	1550	RAH	Mercury	< 0.0010 mg/L			2.69	98.9 *
07/05	1718	RAH	Lead	< 0.01000 mg/L			0.30	103.8 *
07/03	1545	NTR	Nitrate + Nitrite	0.54 mg/L			0.94	99.2 *
07/06	0800	RAH	Sodium Absorption Ratio	23.7447 Ratio				

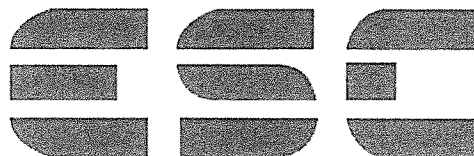
\* QA data shown is from a different sample or standard on the same date.

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.

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



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters									
Client: Clinton, East IW						Permit/Project #: AR0048836					BOD(3)	NH <sub>3</sub> -N(15.A), NO <sub>3</sub> + NO <sub>2</sub> (91.)	TKN(16.A)	Metals (See Comments)						
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:														
Phone: 501-745-4320						Work Order #														
Fax: 501-745-2164						Sampler Name(s): J. Kroenschel														
Contact: Mr. Phil Graham						and Signature(s): [Signature]														
ESC Client Number: 619																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Irrigation Water	180601D510	6/28/18	1022	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X										
	I	"	"	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H <sub>2</sub> SO <sub>4</sub> to pH <2	1		X	X								
		"	"	Grab	Wwater	Plastic	1 Liter	HNO <sub>3</sub> to pH <2	1				X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name) J.C. Kroenschel		Date 6/28/18	Time 1700	Received by Lab By: (Signature and Printed Name) Christina Brown			Date 6-28-18	Time 1700	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW) Cd(48.HW), Pb(82.HW)						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	1025	JW	7.48	7.48	S.U.								
						Time:	Conduct:	1025	JW	214	214	UMHOS								
						Reading:														
						Units:														
						Fecal Start:				This Document is Page 2 of 2										

# 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: 1808010370  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 09/04/18

Sample Date : 08/22/18  
Sample Time : 0950  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/24	0800	DAH	BOD, 5-day	39.30 mg/L		SM 2011 5210 B	0.65	103.9 *
08/24	0715	NTR	Ammonia as N, (HACH/SM)	1.78 mg/L		H/SM 11 10205/4500	1.75	100.0 *
08/31	1320	NTR	Total Kjeldahl Nitrogen	6.0 mg/L		02/2014 HACH 10242	2.30	100.3 *
08/22	0954	JJM	pH	7.5 S.U.		SM 2000 4500-H+B	0.00	N/A *
08/28	1600	PJC	Copper	0.00500 mg/L		EPA 200.8	2.80	94.2 *
08/28	1600	PJC	Zinc	0.3910 mg/L		EPA 200.8	6.26	97.1 *
08/28	1600	PJC	Arsenic	< 0.0100 mg/L		EPA 200.8	0.30	96.8 *
08/28	1600	PJC	Selenium	< 0.0100 mg/L		EPA 200.8	2.23	94.1 *
08/22	0954	JJM	Spec. Conductance @ 25 C	415.000 umho/c		SM1997 2510B	0.00	N/A
08/28	1600	PJC	Cadmium	< 0.0040 mg/L		EPA 200.8	0.24	93.6 *
08/28	1600	PJC	Mercury	< 0.0010 mg/L		EPA 245.1	10.26	103.4 *
08/28	1600	PJC	Lead	0.0102 mg/L		EPA 200.8	2.81	90.3 *
08/29	0930	CLB	Nitrate + Nitrite	1.03 mg/L		HACH 10206	19.00	90.4 *
* 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.

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

G:\WP50\DOC\FORMS\CHAIN.XLS



# 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: 1811010350  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 12/04/18

Sample Date : 11/19/18  
Sample Time : 1335  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/21	0630	DWC	BOD, 5-day	11.80 mg/L			12.73	106.6 *
11/21	1300	TCF	Ammonia as N, (HACH/SM)	5.79 mg/L			2.19	98.9 *
11/27	0900	TCF	Total Kjeldahl Nitrogen	8.0 mg/L			2.13	101.0
11/19	1339	TMO	pH	8.1 S.U.			0.00	N/A *
11/30	1200	PJC	Copper	0.00330 mg/L			2.42	101.1
11/30	1200	PJC	Zinc	0.0261 mg/L			2.90	99.3
11/30	1200	PJC	Arsenic	< 0.0100 mg/L			9.60	96.2
11/30	1200	PJC	Selenium	< 0.0100 mg/L			1.74	95.5
11/19	1339	TMO	Spec. Conductance @ 25 C	187.000 umho/c			0.00	N/A
11/30	1200	PJC	Cadmium	< 0.0040 mg/L			0.05	98.1
11/21	1500	PJC	Mercury	< 0.0010 mg/L			2.48	88.0
11/30	1200	PJC	Lead	< 0.0100 mg/L			7.75	97.9
11/21	1545	TCF	Nitrate + Nitrite	0.46 mg/L			1.49	101.0 *

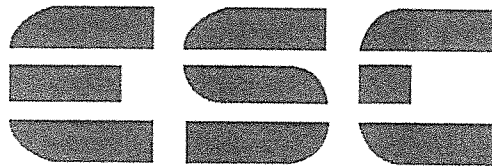
\* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters												
Client:						Clinton, East IW						Permit/Project #:							AR0048836						
Address:						P.O. Box 277 Clinton, AR 72031						Purchase Order #:													
Phone:						501-745-4320						Work Order #													
Fax:						501-745-2164						Sampler Name(s):							Timothy O'Neal						
Contact:						Mr. Phil Graham						and Signature(s):							[Signature]						
ESC Client Number:						619																			
Sample Identification						Sample Collection						Sample Containers													
Identification		ESC Control #		Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH <sub>3</sub> -N(15.A), NO <sub>3</sub> +NO <sub>2</sub> (91.)	TKN(16.C)	Metals (See Comments)										
Irrigation Water	1811010350	11-19-18	1335	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C			1	X													
				Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H <sub>2</sub> SO <sub>4</sub> to pH <2			1		X	X											
				Grab	Wwater	Plastic	1 Liter	HNO <sub>3</sub> to pH <2			1				X										
Relinquished By: (Signature and Printed Name)				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals: Used? [X] Intact?													
Relinquished By: (Signature and Printed Name)				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround: Regular [X] Special													
Relinquished By: (Signature and Printed Name) <i>[Signature]</i> Timothy O'Neal				Date	Time	Received for Lab By: (Signature and Printed Name) <i>[Signature]</i> J. A. Drake				Date	Time	Were samples properly preserved: Yes [X] No													
Comments:						Flow Data		Field Test		Time	Analyst	Result	Result	Units											
Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)						Analyst:		pH:	1339	TMO	8.1	8.1	S.U.												
Cd(48.HW), Pb(82.HW), Mn(MD)						Time:		Conduct:	1339	TMO	187.0	187.0	U MHOS												
						Reading:																			
						Units:																			
This Document is Page 1 of																									

JA

# 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

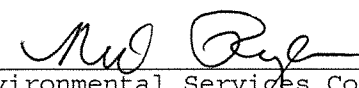
Control Number: 1801010088  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 01/12/18

Composite Date:01/03/18 -01/04/18  
Sample Time : 0900-0900/1210(1-4)  
Sample Type : 24 HR COMP/GRAB WW  
Sample From : FINAL EFFLUENT

Collected By: PG/TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
01/04	1207	TCF	Dissolved Oxygen	12.10 mg/L		57.48 #/day	0.96	N/A *
01/05	1630	PJC	Ammonia as N, (HACH/SM)	2.25 mg/L	(b)	10.69 #/day	2.06	102.6 *
01/04	1207	TCF	pH	7.5 S.U.			0.00	N/A *
01/11	0900	PJC	Solids, Total Suspended	3.00 mg/L		14.25 #/day	0.00	N/A *
01/04	1910	TCF	E. Coliforms	< 1.0 /100ml				
01/04	1910	TCF	Fecal Coliform	< 1.0 /100ml				
01/05	0700	JJM	BOD, Carbonaceous	< 2.0 mg/L		9.50 #/day	0.00	95.6 *
Flow				0.570000	MGD			
* QA data shown is from a different sample or standard on the same date. (b) Exceeds Permit Limits for Average 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.

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



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

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

Client Information						Project Information							Requested Parameters							
Client: Clinton, East 001						Permit/Project #: AR0048836							CBOD(70.), TSS(28.) NH3-N(15.A) Fecal Coliform (43.IF), E. Coli(43.IE)							
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:														
						Work Order #														
Phone: 501-745-4320						Sampler Name(s): Phil Graham														
Fax: 501-745-2164						and Signature(s): [Signature]														
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	#											
Final Effluent	1801010088	1-3-18	0900	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X										
I	L	1-4-18	0900	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X									
		1-4-18	1210	Grab	Wwater	Whirlpak	4 oz	Cool ≤ 6 °C	2			X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:											
[Signature] Phil Graham		1-3-18	10AM	Trevor Fortman			1-4-18	1205	Used? NO Intact?											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular Special											
									Were samples properly preserved: Yes No											
Relinquished By: (Signature and Printed Name)		Date	Time	Received by Lab By: (Signature and Printed Name)			Date	Time												
Christina Brown		1-9-18	1900	Christina Brown			1-5-18	0800												
Comments: Flow-direct read from meter						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
Sample received in secured cooler for lab						Analyst: TCF	Grab pH:	1207	TCF	7.5		S.U.								
						Time: 1205	Grab DO:	1207	TCF	12.1		mg/L								
						Reading: 0.600000	E Coli Start	1910	TCF											
						Units: MGD	Fecal Start:	1910	TCF											
						This Document is Page 1 of 1														

# 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: 1801010351  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 01/18/18

Composite Date:01/05/18 -01/06/18  
Sample Time : 1300-1300/1300(1-6)  
Sample Type : COMP/GRAB WWATER  
Sample From : FINAL EFFLUENT

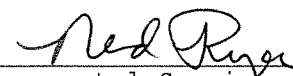
Collected By: PG/PJC  
Delivery By : PJC  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
01/09	1430	JJM	Ammonia as N, (HACH/SM)	2.50 mg/L	(b)	11.25 #/day	1.01	112.0 *
01/12	1430	CLB	Phosphorus, Total (as P)	0.215 mg/L		0.97 #/day	6.45	91.2 *
01/11	0900	PJC	Solids, Total Suspended	< 1.00 mg/L		4.50 #/day	1.60	N/A *
01/06	1600	PJC	BOD, Carbonaceous	2.0 mg/L		9.00 #/day	0.00	95.0
01/08	1520	DAH	Nitrate + Nitrite	3.62 mg/L		16.29 #/day	5.46	90.6 *
Flow				0.540000	MGD			

\* QA data shown is from a different sample or standard on the same date.  
(b) Exceeds Permit Limits for Average 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.

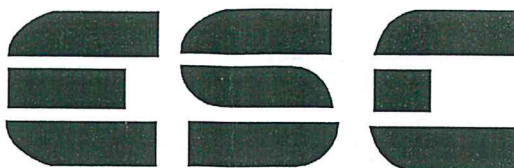
Signature



Environmental Services Co., Inc.



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



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters					
Client: Clinton, East 001						Permit/Project #: AR0048836						CBOD(70.), TSS(28.) NH3-N(15.A) Fecal Coliform (43.IF), E. Coli(43.IE)					
Address: P.O. Box 277						Purchase Order #:											
Clinton, AR 72031						Work Order #											
Phone: 501-745-4320						Sampler Name(s): Phil Graham											
Fax: 501-745-2164						and Signature(s): [Signature]											
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	#								
Final Effluent	1801010351	1-5-18	1PM	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X							
		1-6-18	1300	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X						
		1-6-18	1300	Grab	Wwater	Whirlpak	4 oz	Cool ≤ 6° C	2			X					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:									
[Signature] Phil Graham		1-5-18	1PM	[Signature] Jake Cofer		1-6-18	1300	Used? <input type="checkbox"/> Intact? <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:									
								Regular <input type="checkbox"/> Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:									
[Signature] Jake Cofer		1-6-18	1500	[Signature] Christina Brown		1-6-18	0800	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Comments:				Flow Data		Field Test		Time		Analyst		Result		Result		Units	
				Analyst: PJC		Grab pH:		1305		PJC		7.9		7.9		S.U.	
				Time: 1305		Grab DO:		1305		PJC		10.9		11.0		mg/L	
				Reading: .630000													
				Units: MGD		E Coli Start		1512		PJC							
						Fecal Start:		1512		PJC							



Head flow from meter.  
Sample received for lab via secure  
walkin cooler.

DM8

# 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: 1802010337  
Customer Name : CLINTON, EAST 40.24 LA PB 3  
Customer Number : 3004  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1215  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB3

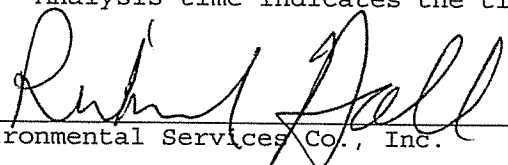
Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.3070 mg/kg			1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1277 mg/Kg			4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	4.680 mg/kg			4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	482.3500 mg/kg			2.19	94.6 *
02/27	1231	RAH	Magnesium	1741.00 mg/Kg			2.37	111.6 *
02/27	1231	RAH	Potassium	2300.00 mg/Kg			2.32	98.7 *
02/23	0900	CLB	pH Soil	6.80 S.U.			0.00	N/A *
02/27	1231	RAH	Nickel	33.00 mg/Kg			0.21	98.3 *
02/27	1231	RAH	Copper	12.00 mg/Kg			0.35	98.2 *
02/27	1231	RAH	Zinc	109.50 mg/Kg			1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	4.98 mg/kg			0.00	100.0 *
02/27	1231	RAH	Arsenic	14.50 mg/Kg			1.50	100.6 *
02/23	0900	CLB	Specific Conductance	30.5000 umhos			0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			0.22	100.8 *
02/27	1231	RAH	Lead	22.50 mg/Kg			2.41	95.1 *

\* 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  
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: 1802010338  
Customer Name : CLINTON, EAST 40.24 LA PB 30  
Customer Number : 3003  
Report Date : 03/02/18

Sample Date : 02/19/18  
Sample Time : 1230  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB30

Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
02/23	1630	CLB	Ammonia Nitrogen	1.3900 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1195 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	10.350 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	485.1300 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	991.50 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	1413.50 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	6.90 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	28.00 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	10.50 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	75.50 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	11.74 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	16.50 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	19.5900 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	17.00 mg/Kg			SW-846 6020A	2.41	95.1 *

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

\* 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  
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: 1802010088  
Customer Name : CLINTON, EAST 55.57 LA PB 10  
Customer/Permit No. : 511 / AR0048836 001  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1145  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB10

Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :


Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.5260 mg/kg			SM 1997 4500-NH3 C	1.17	98.2
02/22	1520	RAH	Mercury	< 0.1176 mg/Kg			SW-846 7474 02/07	4.78	89.5
02/27	1030	CLB	Nitrate Nitrogen	4.030 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	460.4100 mg/kg			EPA 365.3	2.19	94.6
02/27	1231	RAH	Magnesium	845.00 mg/Kg			SW-846 6020A	2.37	111.6
02/27	1231	RAH	Potassium	1061.50 mg/Kg			SW-846 6020A	2.32	98.7
02/23	0900	CLB	pH Soil	7.11 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	17.50 mg/Kg			SW-846 6020A	0.21	98.3
02/27	1231	RAH	Copper	6.50 mg/Kg			SW-846 6020A	0.35	98.2
02/27	1231	RAH	Zinc	61.50 mg/Kg			SW-846 6020A	1.09	107.5
02/28	1530	CLB	Nitogen, Plant Available	4.55 mg/kg			33 MSA 2nd Ed	0.00	100.0
02/27	1231	RAH	Arsenic	9.00 mg/Kg			SW-846 6020A	1.50	100.6
02/23	0900	CLB	Specific Conductance	42.8000 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8
02/27	1231	RAH	Lead	12.00 mg/Kg			SW-846 6020A	2.41	95.1

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

\* 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  
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: 1802010339  
Customer Name : CLINTON, EAST 55.57 LA PB 3  
Customer Number : 3002  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1155  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB3

Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

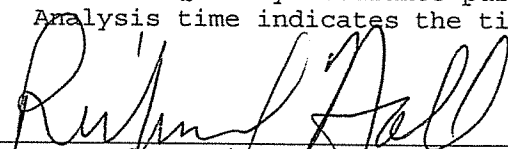
Laboratory Analysis								Quality Assurance	
Analysis								Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.3560 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1188 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	3.100 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	391.4800 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	782.50 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	850.00 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	6.80 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	17.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.00 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	50.50 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitogen, Plant Available	3.45 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	8.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	27.0000 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	10.50 mg/Kg			SW-846 6020A	2.41	95.1 *

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

\* 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  
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: 1802010340  
Customer Name : CLINTON, EAST 55.57 LA PB 30  
Customer Number : 3001  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1205  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB30

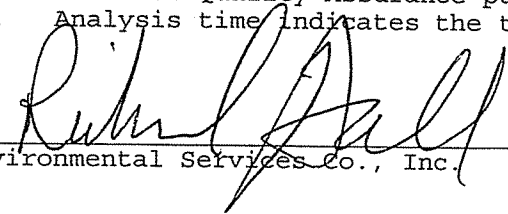
Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

Analysis						Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.2950 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1196 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	4.150 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	412.9200 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	881.50 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	1176.50 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	6.83 S.U.			SW846 9045C	0.00	N/A
02/27	1231	RAH	Nickel	19.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.00 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	62.00 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	4.44 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	9.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	249.0000 umhos			EPA (MOD)9050A	0.00	N/A
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	12.50 mg/Kg			SW-846 6020A	2.41	95.1 *

\* 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  
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: 1802010341  
Customer Name : CLINTON, EAST LA AIRPORT9  
Customer Number : 2959  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1130  
Sample Type : GRAB SOIL  
Sample From : EAST LA AIRPORT 9

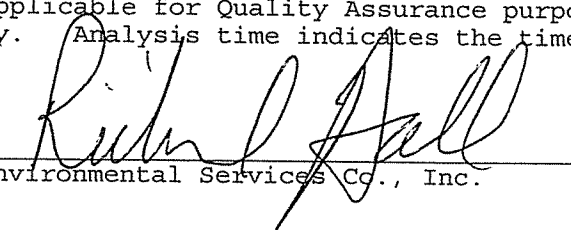
Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	1.6800 mg/kg			1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1304 mg/Kg			4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	9.390 mg/kg			4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	297.0100 mg/kg			2.19	94.6 *
02/27	1231	RAH	Magnesium	735.50 mg/Kg			2.37	111.6 *
02/27	1231	RAH	Potassium	1066.00 mg/Kg			2.32	98.7 *
02/23	0900	CLB	pH Soil	6.96 S.U.			0.00	N/A *
02/27	1231	RAH	Nickel	17.00 mg/Kg			0.21	98.3 *
02/27	1231	RAH	Copper	6.00 mg/Kg			0.35	98.2 *
02/27	1231	RAH	Zinc	45.00 mg/Kg			1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	11.07 mg/kg			0.00	100.0 *
02/27	1231	RAH	Arsenic	8.00 mg/Kg			1.50	100.6 *
02/23	0900	CLB	Specific Conductance	12.5200 umhos			0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			0.22	100.8 *
02/27	1231	RAH	Lead	9.50 mg/Kg			2.41	95.1 *

\* 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  
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: 1802010342  
Customer Name : CLINTON, EAST LA WD13  
Customer Number : 2960  
Report Date : 02/28/18

Sample Date : 02/19/18  
Sample Time : 1120  
Sample Type : GRAB SOIL  
Sample From : EAST LA WD13

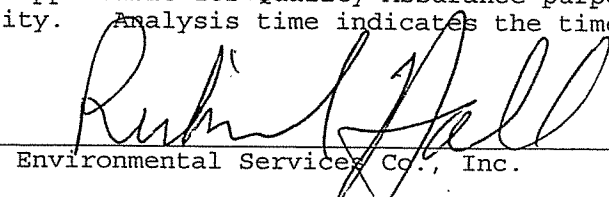
Collected By: TCF  
Delivery By : TCF  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	1.4700 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1306 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	9.060 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	382.1000 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	1094.00 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	1716.00 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	7.22 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	21.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.50 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	64.50 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitogen, Plant Available	10.53 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	12.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	12.0700 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	14.50 mg/Kg			SW-846 6020A	2.41	95.1 *

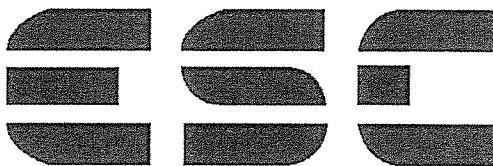
\* QA data shown is from a different sample or standard on the same date.

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.esclabs.com](http://www.esclabs.com)



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information				Requested Parameters									
Client: Clinton, City of (East Land App)						Permit/Project #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals (See Comments)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Nitrate Nitrogen(01.3), Phos(01.9)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Soil pH(23.S), Spec Cond(35.M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ammonia(01.1), PAN(33.AN)</div> </div>									
Address: P.O. Box 277						Purchase Order #:													
Clinton, AR 72031						Work Order #													
Phone: 501-745-4320						Sampler Name(s): <i>Trevor Forthman</i>													
Fax: Mr. Phil Graham						and Signature(s): <i>[Signature]</i>													
Contact: 501-745-2164																			
ESC Client Number: Various																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
East LA 40.24 PB3 (3004)	1802010337	2-19-18	1215	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA 40.24 PB30 (3003)	1802010338	2-19-18	1230	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA 55.57 PB10 (511)	1802010088	2-19-18	1145	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA 55.57 PB3 (3002)	1802010339	2-19-18	1155	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA 55.57 PB30 (3001)	1802010340	2-19-18	1205	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA Airport9 (2959)	1802010341	2-19-18	1130	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X						
East LA WD13 (2960)	1802010342	2-19-18	1120	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	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 By: (Signature and Printed Name)		Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments: Hg(01.14), Mn(12.HS), K(19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS)						Flow Data	Field Test	Time	Analyst	Result	Result	Units							
As(33.HS), Cd(48.HS), Pb(82.HS),						Analyst:													
						Time:													
						Reading:													
						Units:													
						Fecal Start:				This Document is Page <u>1</u> of <u>1</u>									

# 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: 1803010322  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 04/02/18

Sample Date : 03/26/18  
Sample Time : 1031  
Sample Type : GRAB WATER  
Sample From : EAST WELL #13

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
03/27	0750	DWC	Chloride (as Cl)	12.0 mg/L			SM1997 4500ClC	0.43	92.0 *
03/26	1031	JJM	pH	6.3 S.U.			SM 2000 4500-H+B	0.00	N/A
03/27	1430	CLB	Solids, Total Dissolved	140.0 mg/L			SM1997 2540 C	0.00	N/A
03/26	1031	JJM	Spec. Conductance @ 25 C	260.000 umho/c			SM1997 2510B	0.00	N/A
03/29	1430	CLB	Nitrate + Nitrite	1.67 mg/L			HACH 10206	1.12	98.3 *
03/26	1031	JJM	Well Depth, Total	15.40 Feet				N/A	N/A
03/26	1031	JJM	Depth to Water	10.00 Feet				N/A	N/A

\* 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  
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: 1803010323  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 04/02/18

Sample Date : 03/26/18  
Sample Time : 1052  
Sample Type : GRAB WATER  
Sample From : EAST WELL #14

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/27	0750	DWC	Chloride (as Cl)	5.0 mg/L			0.43	92.0 *
03/26	1052	JJM	pH	7.0 S.U.			0.00	N/A *
03/27	1430	CLB	Solids, Total Dissolved	82.0 mg/L			0.00	N/A *
03/26	1052	JJM	Spec. Conductance @ 25 C	126.400 umho/c			0.00	N/A *
03/29	1430	CLB	Nitrate + Nitrite	0.49 mg/L			1.12	98.3 *
03/26	1052	JJM	Well Depth, Total	13.10 Feet			N/A	N/A
03/26	1052	JJM	Depth to Water	9.20 Feet			N/A	N/A

\* 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  
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: 1803010324  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 03/27/18

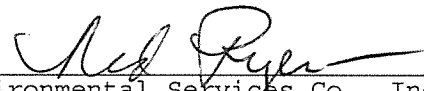
Sample Date : 03/26/18  
Sample Time :  
Sample Type : DRY WELL  
Sample From : EAST WELL #16

Collected By:  
Delivery By :  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
03/26	1006	JJM	Dry Well	0.00			N/A	N/A
* 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  
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: 1803010325  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 04/02/18

Sample Date : 03/26/18  
Sample Time : 1016  
Sample Type : GRAB WATER  
Sample From : EAST WELL #17

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
03/27	0750	DWC	Chloride (as Cl)	1.0 mg/L			SM1997 4500ClC	0.43	92.0 *
03/26	1016	JJM	pH	6.2 S.U.			SM 2000 4500-H+B	0.00	N/A *
03/27	1430	CLB	Solids, Total Dissolved	94.0 mg/L			SM1997 2540 C	0.00	N/A *
03/26	1016	JJM	Spec. Conductance @ 25 C	81.100 umho/c			SM1997 2510B	0.00	N/A *
03/29	1430	CLB	Nitrate + Nitrite	4.31 mg/L			HACH 10206	1.12	98.3 *
03/26	1016	JJM	Well Depth, Total	17.60 Feet				N/A	N/A
03/26	1016	JJM	Depth to Water	12.80 Feet				N/A	N/A

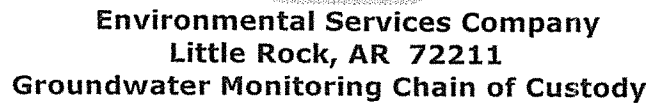
\* QA data shown is from a different sample or standard on the same date.

\* 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.



Sampler Name(s): Josh Miller  
and Signature: Josh Miller

Sample Date: 5/26/18

Relinquished by: <u>JJM</u>	Time: <u>1520</u>	Received By Lab: <u>Justin Brown</u>	Date: <u>3-26-18</u>	Time: <u>1520</u>
Comments: 				

# 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: 1806010504  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 07/06/18

Sample Date : 06/28/18  
Sample Time : 1200  
Sample Type : GRAB WATER  
Sample From : WELL #13


Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/29	1530	DWC	Chloride (as Cl)	20.0 mg/L			0.00	102.5 *
06/28	1200	JGK	pH	6.0 S.U.			0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	135.0 mg/L			7.41	N/A
06/28	1200	JGK	Spec. Conductance @ 25 C	258.000 umho/c			0.00	N/A
07/03	1545	NTR	Nitrate + Nitrite	1.44 mg/L			0.94	99.2
06/28	1200	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
06/28	1200	JGK	Depth to Water	9.10 Feet			N/A	N/A

\* 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  
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: 1806010505  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 07/06/18

Sample Date : 06/28/18  
Sample Time : 1056  
Sample Type : GRAB WATER  
Sample From : WELL #14

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
06/29	1530	DWC	Chloride (as Cl)	20.0 mg/L			0.00	102.5 *
06/28	1056	JGK	pH	5.5 S.U.			0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	90.0 mg/L			7.41	N/A *
06/28	1056	JGK	Spec. Conductance @ 25 C	132.600 umho/c			0.00	N/A *
07/03	1545	NTR	Nitrate + Nitrite	1.61 mg/L			0.94	99.2 *
06/28	1056	JGK	Well Depth, Total	13.10 Feet			N/A	N/A
06/28	1056	JGK	Depth to Water	9.00 Feet			N/A	N/A

\* 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  
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: 1806010506  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 07/02/18

Sample Date : 06/28/18  
Sample Time : 1113  
Sample Type : DRY WELL  
Sample From : WELL #16

Collected By:  
Delivery By :  
Work Order :  
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
06/28	1113	JGK	Dry Well	0.00				N/A	N/A

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  
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: 1806010507  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 07/06/18

Sample Date : 06/28/18  
Sample Time : 1047  
Sample Type : GRAB WATER  
Sample From : WELL #17

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

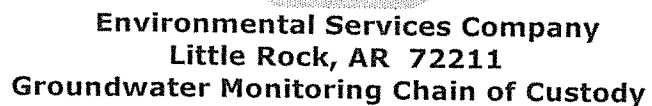
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
06/29	1530	DWC	Chloride (as Cl)	10.0 mg/L			0.00	102.5 *
06/28	1047	JGK	pH	5.4 S.U.			0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	100.0 mg/L			7.41	N/A *
06/28	1047	JGK	Spec. Conductance @ 25 C	88.900 umho/c			0.00	N/A *
07/03	1545	NTR	Nitrate + Nitrite	6.06 mg/L			0.94	99.2 *
06/28	1047	JGK	Well Depth, Total	17.60 Feet			N/A	N/A
06/28	1047	JGK	Depth to Water	12.00 Feet			N/A	N/A

\* 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.



Sample Date:

Relinquished by: J. Kroenschid	Time: 1700	Received By Lab: Kristina Brown	Date: 6-28-18	Time: 1700
--------------------------------	------------	---------------------------------	---------------	------------

Comments:

JK



# 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: 1808010371  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 09/04/18

Sample Date : 08/22/18  
Sample Time : 1055  
Sample Type : GRAB WATER  
Sample From : EAST WELL #13

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
08/29	1315	DWC	Chloride (as Cl)	1.0 mg/L			SM1997 4500ClC	0.00	101.9 *
08/22	1055	JJM	pH	6.1 S.U.			SM 2000 4500-H+B	0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	76.0 mg/L			SM1997 2540 C	0.53	N/A *
08/22	1055	JJM	Spec. Conductance @ 25 C	147.100 umho/c			SM1997 2510B	0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	1.58 mg/L			HACH 10206	19.00	90.4
08/22	1055	JJM	Well Depth, Total	15.40 Feet				N/A	N/A
08/22	1055	JJM	Depth to Water	7.80 Feet				N/A	N/A

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

\* 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  
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: 1808010372  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 08/30/18

Sample Date : 08/22/18  
Sample Time : 1110  
Sample Type : GRAB WATER  
Sample From : EAST WELL #14

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Analysis							Precision	Accuracy	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	7.0 mg/L			SM1997 4500ClC	0.00	101.9 *
08/22	1110	JJM	pH	6.0 S.U.			SM 2000 4500-H+B	0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	80.0 mg/L			SM1997 2540 C	0.53	N/A *
08/22	1110	JJM	Spec. Conductance @ 25 C	134.000 umho/c			SM1997 2510B	0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	1.11 mg/L			HACH 10206	19.00	90.4 *
08/22	1110	JJM	Well Depth, Total	13.10 Feet				N/A	N/A
08/22	1110	JJM	Depth to Water	7.60 Feet				N/A	N/A

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

\* 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  
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: 1808010373  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 08/30/18

Sample Date : 08/22/18  
Sample Time : 1014  
Sample Type : GRAB WATER  
Sample From : EAST WELL #16


Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	101.9 *
08/22	1014	JJM	pH	6.5 S.U.			0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	68.0 mg/L			0.53	N/A *
08/22	1014	JJM	Spec. Conductance @ 25 C	81.200 umho/c			0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	0.41 mg/L			19.00	90.4 *
08/22	1014	JJM	Well Depth, Total	14.00 Feet			N/A	N/A
08/22	1014	JJM	Depth to Water	9.00 Feet			N/A	N/A

\* 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  
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: 1808010374  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 08/30/18

Sample Date : 08/22/18  
Sample Time : 1035  
Sample Type : GRAB WATER  
Sample From : EAST WELL #17


Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	101.9 *
08/22	1035	JJM	pH	6.0 S.U.			0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	108.0 mg/L			0.53	N/A *
08/22	1035	JJM	Spec. Conductance @ 25 C	100.400 umho/c			0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	4.10 mg/L			19.00	90.4 *
08/22	1035	JJM	Well Depth, Total	17.60 Feet			N/A	N/A
08/22	1035	JJM	Depth to Water	10.50 Feet			N/A	N/A

\* 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.

SA

# 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: 1811010351  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 11/27/18

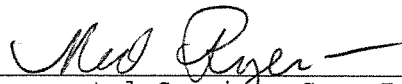
Sample Date : 11/19/18  
Sample Time : 1245  
Sample Type : GRAB WATER  
Sample From : WELL #13

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			SM1997 4500ClC	0.00	100.0 *
11/19	1245	TMO	pH	6.2 S.U.			SM 2000 4500-H+B	0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	112.0 mg/L			SM1997 2540 C	0.80	N/A *
11/19	1245	TMO	Spec. Conductance @ 25 C	85.700 umho/c			SM1997 2510B	0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	3.37 mg/L			HACH 10206	1.49	101.0 *
11/19	1245	TMO	Well Depth, Total	15.40 Feet				N/A	N/A
11/19	1245	TMO	Depth to Water	13.40 Feet				N/A	N/A

\* 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  
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: 1811010352  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 11/27/18

Sample Date : 11/19/18  
Sample Time : 1225  
Sample Type : GRAB WATER  
Sample From : WELL #14

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			0.00	100.0 *
11/19	1225	TMO	pH	6.6 S.U.			0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	100.0 mg/L			0.80	N/A *
11/19	1225	TMO	Spec. Conductance @ 25 C	83.900 umho/c			0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	3.19 mg/L			1.49	101.0 *
11/19	1225	TMO	Well Depth, Total	13.10 Feet			N/A	N/A
11/19	1225	TMO	Depth to Water	13.60 Feet			N/A	N/A

\* 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 Red Rye  
Environmental Services Co., Inc.

# 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: 1811010353  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 11/27/18

Sample Date : 11/19/18  
Sample Time : 1210  
Sample Type : GRAB WATER  
Sample From : WELL #16

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			0.00	100.0 *
11/19	1210	TMO	pH	6.3 S.U.			0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	96.0 mg/L			0.80	N/A *
11/19	1210	TMO	Spec. Conductance @ 25 C	130.000 umho/c			0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	3.89 mg/L			1.49	101.0 *
11/19	1210	TMO	Well Depth, Total	14.00 Feet			N/A	N/A
11/19	1210	TMO	Depth to Water	14.00 Feet			N/A	N/A

\* 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  
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: 1811010354  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 11/27/18

Sample Date : 11/19/18  
Sample Time : 1155  
Sample Type : GRAB WATER  
Sample From : WELL #17

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			0.00	100.0 *
11/19	1155	TMO	pH	6.3 S.U.			0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	128.0 mg/L			0.80	N/A *
11/19	1155	TMO	Spec. Conductance @ 25 C	127.800 umho/c			0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	5.95 mg/L			1.49	101.0 *
11/19	1155	TMO	Well Depth, Total	17.60 Feet			N/A	N/A
11/19	1155	TMO	Depth to Water	12.90 Feet			N/A	N/A

\* 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.

Figure 1 shows a 2D hexagonal lattice. A central vertex is labeled '1'. The six vertices immediately surrounding it are labeled '2' through '7'. The edges connecting these central vertices are labeled '1' through '6'.

Timothy D'Neal

and Signature:

11-190-18

Relinquished by: <i>Timothy O'Neal</i>	Time: <i>1600</i>	Received By Lab: <i>J. A. Oke Carter</i>	Date: <i>11/19/18</i>	Time: <i>1600</i>
--	-------------------	--	-----------------------	-------------------

Comments:



# 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: 1903010554  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/02/22

Sample Date : 03/28/19  
Sample Time : 1110  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/29	0800	TCF	BOD, 5-day	16.1 mg/L			0.00	93.6 *
04/01	1600	PJC	Ammonia as N, (HACH/SM)	0.09 mg/L			1.36	101.5 *
04/05	1400	TCF	Total Kjeldahl Nitrogen	5.2 mg/L			1.04	98.5 *
04/04	1700	PJC	Potassium	2.7290 mg/L			0.56	96.6 *
03/28	1115	JGK	pH	9.4 S.U.			0.00	N/A *
04/04	1700	PJC	Copper	< 0.0030 mg/L			1.76	92.8
04/04	1700	PJC	Zinc	0.0169 mg/L			1.26	98.3
04/04	1700	PJC	Arsenic	< 0.0100 mg/L			1.68	96.6
04/04	1700	PJC	Selenium	< 0.0100 mg/L			0.59	96.6
03/28	1115	JGK	Spec. Conductance @ 25 C	138.000 umho/c			0.00	N/A
04/04	1700	PJC	Cadmium	< 0.00400 mg/L			0.03	96.3
04/02	1400	PJC	Mercury	< 0.0010 mg/L			1.69	114.3
04/04	1700	PJC	Lead	< 0.01000 mg/L			1.40	98.1
04/01	1600	PJC	Nitrate + Nitrite	1.16 mg/L			2.08	99.4 *
04/05	0800	PJC	Sodium Absorption Ratio	38.2285 Ratio				

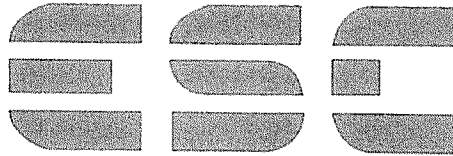
\* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico  
575-887-1ESC

Client Information						Project Information							Requested Parameters							
Client: Clinton, East IW						Permit/Project #: AR0048836							<div>BOD(3)</div> <div>NH<sub>3</sub>-N(15.A), NO<sub>3</sub> + NO<sub>2</sub>(91.)</div> <div>TKN(16.C)</div> <div>Metals (See Comments)</div>							
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:														
						Work Order #														
Phone: 501-745-4320						Sampler Name(s): J. Knerrschild														
Fax: 501-745-2164																				
Contact: Mr. Phil Graham						and Signature(s): [Signature]														
ESC Client Number: 619																				
Sample Identification			Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Irrigation Water	90300554	3/28/19	1110	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X										
		11	11	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H <sub>2</sub> SO <sub>4</sub> to pH <2	1		X	X								
		11	11	Grab	Wwater	Plastic	1 Liter	HNO <sub>3</sub> to pH <2	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 By: (Signature and Printed Name)			Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW) Cd(48.HW), Pb(82.HW), UO.MD						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	11.5	JL	9.4	9.4	S.U.								
						Time:	Conduct:	11.5	JL	138.0	138.0	UMHOS								
						Reading:														
						Units:														
This Document is Page 1 of 1																				

# 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: 1906010425  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 07/10/19

Sample Date : 06/27/19  
Sample Time : 0940  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
06/28	0700	DWC	BOD, 5-day	24.00 mg/L		SM 2011 5210 B	0.00	95.1 *
07/03	0900	JJM	Ammonia as N, (HACH/SM)	0.06 mg/L		H/SM 11 10205/4500	3.04	100.2 *
07/05	0830	PJC	Total Kjeldahl Nitrogen	5.8 mg/L		02/2014 HACH 10242	2.67	99.2
06/27	0945	JGK	pH	7.2 S.U.		SM 2011 4500-H+B	0.00	N/A *
06/28	1700	PJC	Copper	0.00900 mg/L		EPA 200.8	2.36	98.8
06/28	1700	PJC	Zinc	0.0182 mg/L		EPA 200.8	9.11	114.3
06/28	1700	PJC	Arsenic	< 0.0100 mg/L		EPA 200.8	4.17	115.0
06/28	1700	PJC	Selenium	< 0.0100 mg/L		EPA 200.8	1.10	85.3
06/27	0945	JGK	Spec. Conductance @ 25 C	184.600 umho/c		SM1997 2510B	0.00	N/A *
06/28	1700	PJC	Cadmium	< 0.0040 mg/L		EPA 200.8	3.39	110.7
07/05	1400	PJC	Mercury	< 0.0010 mg/L		EPA 245.1	9.54	101.1
07/08	1700	PJC	Lead	< 0.0100 mg/L		EPA 200.8	0.08	96.8
07/05	1030	PJC	Nitrate + Nitrite	2.39 mg/L		HACH 10206	3.24	98.9

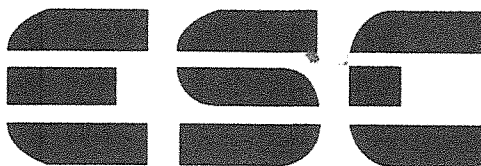
\* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

[illegible]

G:\WP50\ID

RMS\CHAIN.XLS

d 4-14-99

# 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: 1907010248  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/07/19

Sample Date : 07/29/19  
Sample Time : 1020  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

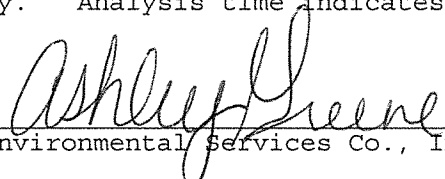
Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>						<u>% RPD</u>	<u>% Recovery</u>
07/31	0700	DWC	BOD, 5-day	22.70 mg/L			SM 2011 5210 B	2.61	103.5
07/31	1300	PJC	Ammonia as N, (HACH/SM)	0.14 mg/L			H/SM 11 10205/4500	2.38	100.5 *
08/06	1300	PJC	Total Kjeldahl Nitrogen	7.3 mg/L			02/2014 HACH 10242	1.05	100.8 *
07/29	1024	TMO	pH	7.3 S.U.			SM 2011 4500-H+B	0.00	N/A
08/02	1700	PJC	Copper	0.00630 mg/L			EPA 200.8	1.08	107.8 *
08/02	1700	PJC	Zinc	0.0296 mg/L			EPA 200.8	1.59	97.7 *
08/02	1700	PJC	Arsenic	< 0.0100 mg/L			EPA 200.8	0.66	97.6
08/02	1700	PJC	Selenium	< 0.0100 mg/L			EPA 200.8	4.40	99.3 *
07/29	1024	TMO	Spec. Conductance @ 25 C	181.000 umho/c			SM1997 2510B	0.00	N/A
08/02	1700	PJC	Cadmium	< 0.0040 mg/L			EPA 200.8	1.95	99.5 *
08/05	1400	PJC	Mercury	< 0.0010 mg/L			EPA 245.1	0.27	102.7
08/02	1700	PJC	Lead	< 0.0100 mg/L			EPA 200.8	0.45	102.5 *
07/31	1530	PJC	Nitrate + Nitrite	2.13 mg/L			HACH 10206	0.51	98.8

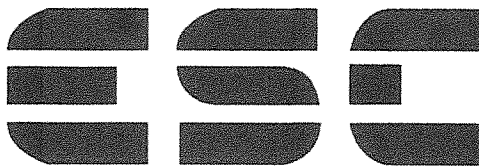
\* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information				Project Information				Requested Parameters											
Client:		Clinton, East IW		Permit/Project #:		AR0048836		<div style="display: flex; flex-direction: column; align-items: center;"> <div>BOD(3.)</div> <div>NH3-N(15.A), NO3 + NO2(91.)</div> <div>TKN(16.C)</div> <div>Metals (See Comments)</div> </div>											
Address:		P.O. Box 277		Purchase Order #:															
		Clinton, AR 72031		Work Order #															
Phone:		501-745-4320		Sampler Name(s):		Timothy O'Neal													
Fax:		501-745-2164		and Signature(s):		Timothy O'Neal													
Contact:		Mr. Phil Graham																	
ESC Client Number: 619																			
Sample Identification				Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See Comments)						
Irrigation Water	1907010248	7-29-19	1020	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X									
1	1	1	1	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X							
				Grab	Wwater	Plastic	1 Liter	HNO3 to pH <2	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 By: (Signature and Printed Name)		Date	Time	Turnaround:											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>							
Comments:		Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Analyst:		pH:	024	Time	Analyst	Result	Result	Units					
		Cd(48.HW), Pb(82.HW), 00.MD				Time:		Conduct:	1824	Time	Analyst	Result	Result	Units					
						Reading:				Time	Analyst	Result	Result	Units					
						Units:				Time	Analyst	Result	Result	Units					
This Document is Page 1 of 1																			

RW



# 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: 1910010350  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 11/15/19

Sample Date : 10/24/19  
Sample Time : 1506  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
10/25	0700	DWC	BOD, 5-day	12.80 mg/L		SM 2011 5210 B	0.00	106.6 *
10/28	0845	DWC	Ammonia as N, (HACH/SM)	6.75 mg/L		H/SM 11 10205/4500	2.45	99.2 *
11/12	0900	TCF	Total Kjeldahl Nitrogen	10.3 mg/L		02/2014 HACH 10242	3.77	103.9
10/24	1507	NTR	pH	7.6 S.U.		SM 2011 4500-H+B	0.00	N/A *
10/31	1700	PJC	Copper	0.00750 mg/L		EPA 200.8	3.06	89.1 *
10/31	1700	PJC	Zinc	0.0194 mg/L		EPA 200.8	1.01	91.5 *
10/31	1700	PJC	Arsenic	< 0.0070 mg/L		EPA 200.8	4.44	89.8 *
10/31	1700	PJC	Selenium	< 0.0110 mg/L		EPA 200.8	4.72	89.7 *
10/24	1507	NTR	Spec. Conductance @ 25 C	188.000 umho/c		SM1997 2510B	0.33	N/A *
10/31	1700	PJC	Cadmium	< 0.0070 mg/L		EPA 200.8	2.23	89.1 *
11/06	1400	PJC	Mercury	< 0.0010 mg/L		EPA 245.1	4.62	88.9
10/31	1700	PJC	Lead	0.0174 mg/L		EPA 200.8	1.93	90.2 *
10/30	1230	PJC	Nitrate + Nitrite	0.55 mg/L		HACH 10206	0.35	98.0 *

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

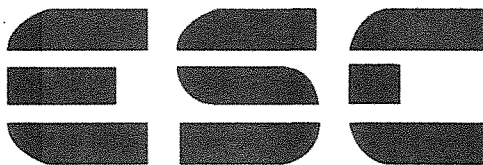
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

ay

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters									
Client:		Clinton, East IW		Permit/Project #:		AR0048836					BOD(3)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See Comments)						
Address:		P.O. Box 277		Purchase Order #:																
		Clinton, AR 72031		Work Order #																
Phone:		501-745-4320		Sampler Name(s):		Ned Ryerson														
Fax:		501-745-2164		and Signature(s):		Ned Ryerson														
Contact:		Mr. Phil Graham																		
ESC Client Number:		619																		
Sample Identification			Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Irrigation Water	1910010350	10-24-19	1506	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X										
I	I	I	I	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X								
I	I	I	I	Grab	Wwater	Plastic	1 Liter	HNO3 to pH <2	1				X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:												
								Used?		X	Intact?									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:												
								Regular		X	Special									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:												
Ned Ryerson - Ned Ryerson		10-24-19	1745	JWS Oshie Calk		10-24-19	1745	Yes		X	No									
								Flow Data		Field Test	Time	Analyst	Result	Result	Units					
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Analyst:		pH:		1507		NRC		7.6		7.6		S.U.				
Cd(48.HW), Pb(82.HW), UU.MD				Time:		Conduct:		1507		NRC		158		190		U MHOS				
				Reading:																
				Units:																
This Document is Page 1 of 1																				

du

# 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: 1903010316  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 04/05/19

Composite Date:03/27/19 -03/28/19  
Sample Time : 0900-0900/1055(3-28)  
Sample Type : 24 HR COMP/GRAB WW  
Sample From : FINAL EFFLUENT

Collected By: PG/JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/28	1100	JGK	Dissolved Oxygen	9.90 mg/L		88.28 #/day	0.00	N/A
04/01	1600	PJC	Ammonia as N, (HACH/SM)	0.07 mg/L		0.62 #/day	1.36	101.5 *
03/28	1100	JGK	pH	8.1 S.U.			0.00	N/A
04/04	1200	PJC	Solids, Total Suspended	< 2.50 mg/L		22.29 #/day	0.00	N/A *
03/28	1600	TCF	E. Coliforms	1.0 /100ml			0.00	N/A
03/28	1600	TCF	Fecal Coliform	< 1.0 /100ml			0.00	N/A
03/29	0800	TCF	BOD, Carbonaceous	< 2.00 mg/L		17.83 #/day	0.68	96.8 *
Flow				1.070000	MGD			

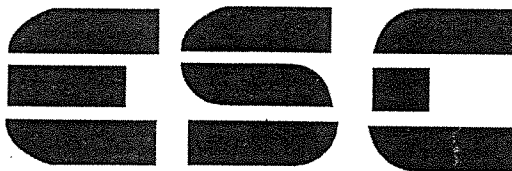
\* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters										
Company Name: Clinton, East 001						Permit/Project #: AR0048836						<div>CBOD(70), TSS(28.)</div> <div>NH3-N(15.A)</div> <div>Fecal Coliform (43.), E. Coli(43.2)</div>										
Address: P.O. Box 277						Purchase Order #:																
Clinton, AR 72031						Work Order #																
Telephone: 501-745-4320						Sampler Name(s): Phil Graham																
Contact: Mr. Phil Graham						and Signature(s): <i>Phil Graham</i>																
FAX: 501-745-2164																						
ESC Client Number: 495 (3X per week)																						
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
Final Effluent	1903010316	3-27-19	9 AM	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X												
				24Hr. Comp	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2	1		X											
		3/28/19	1055	Grab	Wwater	Whirlpak	150 mls	Cool <10° C, Na2S2O3	1			X										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
<i>Phil Graham</i> Phil Graham		3-27-19	9 AM	<i>T. C. Koensch</i> T. C. Koensch		3/28/19	1055	Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:														
								Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:														
<i>T. C. Koensch</i> T. C. Koensch		3/28/19	1530	<i>Trevor Forthman</i> Trevor Forthman		3-28-19	1530	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														
						Flow Data	Field Test	Time	Analyst	Result	Result	Units										
Comments:						Analyst: <i>JM</i>	Grab pH:	1100	<i>JM</i>	8.1	8.1	S.U.										
						Time: 1100	Grab DO:	1100	<i>JM</i>	9.9	9.9	mg/L										
						Reading: 1.07																
						Units: MGD	E Coli Start	TCF	1600													
							Fecal Start:	TCF	1600	This Document is Page 1 of 1												

# 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: 1901010456  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 01/31/19

Composite Date:01/13/19 -01/14/19  
Sample Time : 0900-0900/1155(1-14)  
Sample Type : 24 HR COMP/GRAB WW  
Sample From : FINAL EFFLUENT

Collected By: PG/TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
01/14	1159	TMO	Dissolved Oxygen	11.60 mg/L		114.07 #/day	0.00	N/A *
01/30	1530	PJC	Ammonia as N, (HACH/SM)	2.93 mg/L		28.81 #/day	2.28	98.3 *
01/14	1159	TMO	pH	7.5 S.U.			0.00	N/A *
01/17	1000	TCF	Phosphorous, Total (as P)	0.440 mg/L		4.33 #/day	0.00	99.5 *
01/29	0900	PJC	Solids, Total Suspended	16.50 mg/L		162.25 #/day	3.48	N/A *
04/14	1630	TCF	E. Coliforms	275.5 /100ml			0.00	N/A
01/14	1630	TCF	Fecal Coliform	387.3 /100ml			0.00	N/A
01/16	0645	DWC	BOD, Carbonaceous	4.30 mg/L		42.28 #/day	0.00	104.6 *
01/17	1400	TCF	Nitrate + Nitrite	0.50 mg/L		4.92 #/day	3.92	96.8 *
Flow				1.180000	MGD			

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

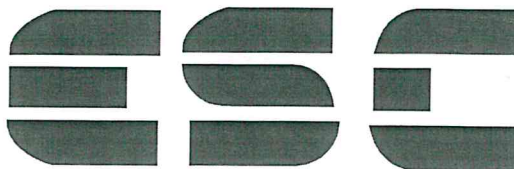
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.




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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters										
Client:		Clinton, East 001				Permit/Project #:		AR0048836					CBOD(70.), TSS(28.) NH3-N(15.A) Fecal Coliform (43.IF), E. Coli(43.IE)										
Address:		P.O. Box 277 Clinton, AR 72031				Purchase Order #:																	
Phone:		501-745-4320				Work Order #																	
Fax:		501-745-2164				Sampler Name(s):		Phil Graham Timothy O'Neal															
Contact:		Mr. Phil Graham				and Signature(s):		[Signature]															
ESC Client Number:		495 (3X per week)																					
Sample Identification						Sample Collection				Sample Containers													
Identification		ESC Control #		Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Final Effluent		19D1010456		1-13-19	9 AM	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X											
						24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X										
				1-14-19	1155	Grab	Wwater	Whirlpak	4 oz	Cool ≤ 6° C	2			X									
Relinquished By: (Signature and Printed Name)		Date		Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
[Signature] Phil Graham		1-13-19		9 AM	[Signature] Timothy O'Neal		1-14-19	1155	Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date		Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:														
									Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date		Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:														
[Signature] Timothy O'Neal		1-14-19		1620	[Signature] [Name]		1-14-19	1620	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														
Comments:  						Flow Data		Field Test	Time	Analyst	Result	Result	Units										
						Analyst: TMO		Grab pH:	1158	TMO	7.5	7.5	S.U.										
						Time: 1755		Grab DO:	1159	TMO	11.6	11.6	mg/L										
						Reading: 115		E Coli Start															
						Units: MGD		Fecal Start:	1630	TCF	This Document is Page 1 of 1												

# 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: 1902010165  
Customer Name : CLINTON, EAST 40.24 LA PB 3  
Customer Number : 3004  
Report Date : 02/28/19

Sample Date : 02/07/19  
Sample Time : 1241  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB3

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.1130 mg/kg			0.20	99.6
02/20	1400	PJC	Mercury	< 3.5010 mg/Kg			7.37	95.0
02/22	1500	PJC	Nitrate Nitrogen	1.230 mg/kg			0.19	98.4
02/22	1300	PJC	Phosphorous, Total (as P)	0.6940 mg/kg			0.63	98.6
02/13	1700	PJC	Magnesium	33327.32 mg/Kg			0.71	98.9
02/13	1700	PJC	Potassium	45390.98 mg/Kg			8.61	106.9
02/22	1700	PJC	pH Soil	7.30 S.U.			1.38	N/A
02/13	1700	PJC	Nickel	861.65 mg/Kg			1.01	100.7
02/13	1700	PJC	Copper	391.79 mg/Kg			4.60	101.5
02/13	1700	PJC	Zinc	2542.81 mg/Kg			3.73	101.2
02/22	1600	NTR	Nitrogen, Plant Available	1.34 mg/kg				
02/13	1700	PJC	Arsenic	305.35 mg/Kg			1.74	106.0
02/22	1100	PJC	Specific Conductance	13.2000 umhos			0.47	100.9 *
02/13	1700	PJC	Cadmium	30.28 mg/Kg			1.21	99.1
02/12	1200	PJC	Solids, % Total	71.409 %			3.92	N/A *
02/13	1700	PJC	Lead	532.92 mg/Kg			0.04	100.6
* 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  
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: 1902010166  
Customer Name : CLINTON, EAST 40.24 LA PB 30  
Customer Number : 3003  
Report Date : 02/28/19

Sample Date : 02/07/19  
Sample Time : 1252  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB30

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.4690 mg/kg			0.20	99.6 *
02/20	1400	PJC	Mercury	< 3.6220 mg/Kg			7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	2.778 mg/kg			0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	1.2600 mg/kg			0.63	98.6 *
02/13	1700	PJC	Magnesium	96210.25 mg/Kg			0.71	98.9 *
02/13	1700	PJC	Potassium	123382.24 mg/Kg			8.61	106.9 *
02/22	1700	PJC	pH Soil	7.30 S.U.			1.38	N/A *
02/13	1700	PJC	Nickel	2227.46 mg/Kg			1.01	100.7 *
02/13	1700	PJC	Copper	859.09 mg/Kg			4.60	101.5 *
02/13	1700	PJC	Zinc	5526.81 mg/Kg			3.73	101.2 *
02/22	1600	NTR	Nitrogen, Plant Available	2.24 mg/kg				
02/13	1700	PJC	Arsenic	908.87 mg/Kg			1.74	106.0 *
02/22	1100	PJC	Specific Conductance	7.6000 umhos			0.47	100.9 *
02/13	1700	PJC	Cadmium	36.08 mg/Kg			1.21	99.1 *
02/12	1200	PJC	Solids, % Total	69.027 %			3.92	N/A *
02/13	1700	PJC	Lead	1298.08 mg/Kg			0.04	100.6 *

\* 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  
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: 1902010167  
Customer Name : CLINTON, EAST 55.57 LA PB 10  
Customer/Permit No. : 511 / AR0048836 001  
Report Date : 02/28/19

Sample Date : 02/07/19  
Sample Time : 1310  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB10

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

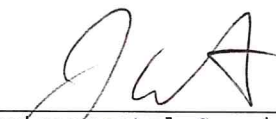
Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.0960 mg/kg			SM 1997 4500-NH3 C	0.20	99.6 *
02/20	1400	PJC	Mercury	< 3.1880 mg/Kg			SW-846 7474 02/07	7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	0.675 mg/kg			SM 2000 4500-NO3 E	0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	0.4450 mg/kg			EPA 365.3	0.63	98.6 *
02/13	1700	PJC	Magnesium	21734.67 mg/Kg			SW-846 6020A	0.71	98.9 *
02/13	1700	PJC	Potassium	23893.74 mg/Kg			SW-846 6020A	8.61	106.9 *
02/22	1700	PJC	pH Soil	7.30 S.U.			SW846 9045C	1.38	N/A *
02/13	1700	PJC	Nickel	452.05 mg/Kg			SW-846 6020A	1.01	100.7 *
02/13	1700	PJC	Copper	219.96 mg/Kg			SW-846 6020A	4.60	101.5 *
02/13	1700	PJC	Zinc	1003.07 mg/Kg			SW-846 6020A	3.73	101.2 *
02/22	1600	NTR	Nitogen, Plant Available	0.77 mg/kg			33 MSA 2nd Ed		
02/13	1700	PJC	Arsenic	181.60 mg/Kg			SW-846 6020A	1.74	106.0 *
02/22	1100	PJC	Specific Conductance	4.0000 umhos			EPA (MOD)9050A	0.47	100.9 *
02/13	1700	PJC	Cadmium	21.34 mg/Kg			SW-846 6020A	1.21	99.1 *
02/12	1200	PJC	Solids, % Total	78.410 %			SM 1997 2540 G	3.92	N/A *
02/13	1700	PJC	Lead	296.95 mg/Kg			SW-846 6020A	0.04	100.6 *

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

\* 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  
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: 1902010168  
Customer Name : CLINTON, EAST 55.57 LA PB 3  
Customer Number : 3002  
Report Date : 02/28/19

Sample Date : 02/07/19  
Sample Time : 1318  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB3

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.1940 mg/kg			0.20	99.6 *
02/20	1400	PJC	Mercury	< 3.1640 mg/Kg			7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	1.146 mg/kg			0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	0.7120 mg/kg			0.63	98.6 *
02/13	1700	PJC	Magnesium	22980.57 mg/Kg			0.71	98.9 *
02/13	1700	PJC	Potassium	23868.67 mg/Kg			8.61	106.9 *
02/22	1700	PJC	pH Soil	7.10 S.U.			1.38	N/A *
02/13	1700	PJC	Nickel	451.74 mg/Kg			1.01	100.7 *
02/13	1700	PJC	Copper	183.95 mg/Kg			4.60	101.5 *
02/13	1700	PJC	Zinc	1055.91 mg/Kg			3.73	101.2 *
02/22	1600	NTR	Nitrogen, Plant Available	1.34 mg/kg				
02/13	1700	PJC	Arsenic	137.05 mg/Kg			1.74	106.0 *
02/22	1100	PJC	Specific Conductance	4.9000 umhos			0.47	100.9 *
02/13	1700	PJC	Cadmium	16.83 mg/Kg			1.21	99.1 *
02/12	1200	PJC	Solids, % Total	79.011 %			3.92	N/A *
02/13	1700	PJC	Lead	273.95 mg/Kg			0.04	100.6 *
* 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  
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: 1902010169  
Customer Name : CLINTON, EAST 55.57 LA PB 30  
Customer Number : 3001  
Report Date : 02/28/19

Sample Date : 02/07/19  
Sample Time : 1331  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB30

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	< 0.0030 mg/kg		SM 1997 4500-NH3 C	0.20	99.6 *
02/20	1400	PJC	Mercury	< 3.3090 mg/Kg		SW-846 7474 02/07	7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	< 0.389 mg/kg		SM 2000 4500-NO3 E	0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	0.4270 mg/kg		EPA 365.3	0.63	98.6 *
02/13	1700	PJC	Magnesium	31937.48 mg/Kg		SW-846 6020A	0.71	98.9 *
02/13	1700	PJC	Potassium	44490.56 mg/Kg		SW-846 6020A	8.61	106.9 *
02/22	1700	PJC	pH Soil	7.00 S.U.		SW846 9045C	1.38	N/A *
02/13	1700	PJC	Nickel	461.26 mg/Kg		SW-846 6020A	1.01	100.7 *
02/13	1700	PJC	Copper	178.94 mg/Kg		SW-846 6020A	4.60	101.5 *
02/13	1700	PJC	Zinc	1689.86 mg/Kg		SW-846 6020A	3.73	101.2 *
02/11	1600	NTR	Nitrogen, Plant Available	< 0.39 mg/kg		33 MSA 2nd Ed		
02/13	1700	PJC	Arsenic	158.14 mg/Kg		SW-846 6020A	1.74	106.0 *
02/22	1100	PJC	Specific Conductance	3.6000 umhos		EPA (MOD)9050A	0.47	100.9 *
02/13	1700	PJC	Cadmium	12.98 mg/Kg		SW-846 6020A	1.21	99.1 *
02/12	1200	PJC	Solids, % Total	75.553 %		SM 1997 2540 G	3.92	N/A *
02/13	1700	PJC	Lead	411.02 mg/Kg		SW-846 6020A	0.04	100.6 *

\* 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  
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: 1902010170  
Customer Name : CLINTON, EAST LA AIRPORT9  
Customer Number : 2959  
Report Date : 03/01/19

Sample Date : 02/07/19  
Sample Time : 1353  
Sample Type : GRAB SOIL  
Sample From : EAST LA AIRPORT9

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.5530 mg/kg			0.20	99.6 *
02/20	1400	PJC	Mercury	< 3.2920 mg/Kg			7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	2.199 mg/kg			0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	1.1720 mg/kg			0.63	98.6 *
02/13	1700	PJC	Magnesium	21768.76 mg/Kg			0.71	98.9 *
02/13	1700	PJC	Potassium	31948.29 mg/Kg			8.61	106.9 *
02/22	1700	PJC	pH Soil	7.30 S.U.			1.38	N/A *
02/13	1700	PJC	Nickel	517.33 mg/Kg			1.01	100.7 *
02/13	1700	PJC	Copper	176.66 mg/Kg			4.60	101.5 *
02/13	1700	PJC	Zinc	857.00 mg/Kg			3.73	101.2 *
02/22	1600	NTR	Nitrogen, Plant Available	2.75 mg/kg				
02/13	1700	PJC	Arsenic	202.87 mg/Kg			1.74	106.0 *
02/22	1100	PJC	Specific Conductance	3.1000 umhos			0.47	100.9 *
02/13	1700	PJC	Cadmium	11.35 mg/Kg			1.21	99.1 *
02/12	1200	PJC	Solids, % Total	75.933 %			3.92	N/A *
02/13	1700	PJC	Lead	386.39 mg/Kg			0.04	100.6 *

\* 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  
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: 1902010171  
Customer Name : CLINTON, EAST LA WD13  
Customer Number : 2960  
Report Date : 03/01/19

Sample Date : 02/07/19  
Sample Time : 1419  
Sample Type : GRAB SOIL  
Sample From : EAST LA WD13

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	1600	PJC	Ammonia Nitrogen	0.7060 mg/kg			0.20	99.6
02/20	1400	PJC	Mercury	< 3.1440 mg/Kg			7.37	95.0 *
02/22	1500	PJC	Nitrate Nitrogen	2.741 mg/kg			0.19	98.4 *
02/22	1300	PJC	Phosphorous, Total (as P)	1.5840 mg/kg			0.63	98.6 *
02/13	1700	PJC	Magnesium	18737.81 mg/Kg			0.71	98.9 *
02/13	1700	PJC	Potassium	28505.16 mg/Kg			8.61	106.9 *
02/22	1700	PJC	pH Soil	7.20 S.U.			1.38	N/A *
02/13	1700	PJC	Nickel	464.33 mg/Kg			1.01	100.7 *
02/13	1700	PJC	Copper	166.31 mg/Kg			4.60	101.5 *
02/13	1700	PJC	Zinc	832.65 mg/Kg			3.73	101.2 *
02/22	1600	NTR	Nitrogen, Plant Available	3.44 mg/kg				
02/13	1700	PJC	Arsenic	199.58 mg/Kg			1.74	106.0 *
02/22	1100	PJC	Specific Conductance	4.1000 umhos			0.47	100.9 *
02/13	1700	PJC	Cadmium	12.29 mg/Kg			1.21	99.1 *
02/12	1200	PJC	Solids, % Total	79.517 %			3.92	N/A *
02/13	1700	PJC	Lead	293.67 mg/Kg			0.04	100.6 *

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

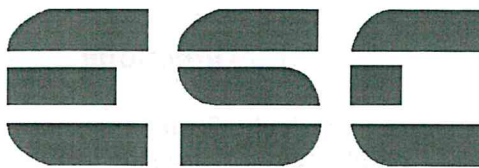
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.



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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters									
Client:		Clinton, City of (East Land App)				Permit/Project #:					Metals (See Comments)	Nitrate Nitrogen(01.3), Phos(01.9)	Soil pH(23.S), Spec Cond(35.M)	Ammonia(01.1), PAN(33.AN)						
Address:		P.O. Box 277 Clinton, AR 72031				Purchase Order #:														
Phone:		501-745-4320				Work Order #														
Fax:		Mr. Phil Graham				Sampler Name(s):		<i>Ned Ryeison</i>												
Contact:		501-745-2164				and Signature(s):		<i>Ned Rye</i>												
ESC Client Number:		Various																		
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	X	X	X	X							
East LA 40.24 PB3 (3004)	1902010165	2-7-19	1241	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 40.24 PB30 (3003)	1902010166	2-7-19	1252	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB10 (511)	1902010167	2-7-19	1310	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB3 (3002)	1902010168	2-7-19	1318	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB30 (3001)	1902010169	2-7-19	1331	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA Airport9 (2959)	1902010170	2-7-19	1553	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA WD13 (2960)	1902010171	2-7-19	1419	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name) <i>Ned Ryeison Ned Ryeison</i>		Date 2-7-19	Time 1630	Received for Lab By: (Signature and Printed Name) <i>Sandra Walker Cooper</i>				Date 2-7-19	Time 1630	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Comments: Hg(01.14), Mn(12.HS), K(19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS) As(33.HS), Cd(48.HS), Pb(82.HS), 00.MS						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
						Analyst:														
						Time:														
						Reading:														
						Units:														
<i>Dred Cont 2/8/19 @ 0820</i>						Fecal Start:				This Document is Page 1 of 1										

# 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: 1903010555  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 04/05/19

Sample Date : 03/28/19  
Sample Time : 1205  
Sample Type : GRAB WATER  
Sample From : EAST WELL #13

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
04/01	0900	DWC	Chloride (as Cl)	16.0 mg/L			0.00	96.9 *
03/28	1205	JGK	pH	6.6 S.U.			0.00	N/A *
04/02	1300	PJC	Solids, Total Dissolved	124.0 mg/L			1.80	N/A *
03/28	1205	JGK	Spec. Conductance @ 25 C	313.000 umho/c			0.00	N/A *
03/28	1205	JGK	Temperature	17.40 °C			0.58	N/A
04/01	1600	PJC	Nitrate + Nitrite	2.12 mg/L			2.08	99.4 *
03/28	1205	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
03/28	1205	JGK	Depth to Water	10.00 Feet			N/A	N/A

\* 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  
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: 1903010556  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 04/05/19

Sample Date : 03/28/19  
Sample Time : 1230  
Sample Type : GRAB WATER  
Sample From : EAST WELL #14

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
04/01	0900	DWC	Chloride (as Cl)	12.0 mg/L			SM1997 4500ClC	0.00	96.9 *
03/28	1230	JGK	pH	6.3 S.U.			SM 2000 4500-H+B	0.00	N/A *
04/02	1300	PJC	Solids, Total Dissolved	28.0 mg/L			SM1997 2540 C	1.80	N/A *
03/28	1230	JGK	Spec. Conductance @ 25 C	132.100 umho/c			SM1997 2510B	0.00	N/A *
03/28	1230	JGK	Temperature	13.90 °C			SM 2000 2550 B	0.58	N/A *
04/01	1600	PJC	Nitrate + Nitrite	0.61 mg/L			HACH 10206	2.08	99.4 *
03/28	1230	JGK	Well Depth, Total	13.10 Feet				N/A	N/A
03/28	1230	JGK	Depth to Water	9.00 Feet				N/A	N/A

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

\* 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  
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: 1903010557  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 04/05/19

Sample Date : 03/28/19  
Sample Time : 1300  
Sample Type : GRAB WATER  
Sample From : EAST WELL #16

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
04/01	0900	DWC	Chloride (as Cl)	4.0 mg/L			SM1997 4500ClC	0.00	96.9 *
03/28	1300	JGK	pH	6.0 S.U.			SM 2000 4500-H+B	0.00	N/A *
04/02	1300	PJC	Solids, Total Dissolved	64.0 mg/L			SM1997 2540 C	1.80	N/A *
03/28	1300	JGK	Spec. Conductance @ 25 C	70.500 umho/c			SM1997 2510B	0.00	N/A *
03/28	1300	JGK	Temperature	15.20 °C			SM 2000 2550 B	0.58	N/A *
04/01	1600	PJC	Nitrate + Nitrite	1.86 mg/L			HACH 10206	2.08	99.4
03/28	1300	JGK	Well Depth, Total	14.00 Feet				N/A	N/A
03/28	1300	JGK	Depth to Water	8.80 Feet				N/A	N/A

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

\* 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  
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: 1903010558  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 04/05/19

Sample Date : 03/28/19  
Sample Time : 1134  
Sample Type : GRAB WATER  
Sample From : EAST WELL #17

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>						<u>% RPD</u>	<u>% Recovery</u>
04/01	0900	DWC	Chloride (as Cl)	4.0 mg/L			SM1997 4500ClC	0.00	96.9 *
03/28	1134	JGK	pH	6.5 S.U.			SM 2000 4500-H+B	0.00	N/A *
04/02	1300	PJC	Solids, Total Dissolved	76.0 mg/L			SM1997 2540 C	6.45	N/A *
03/28	1134	JGK	Spec. Conductance @ 25 C	93.300 umho/c			SM1997 2510B	0.00	N/A *
03/28	1134	JGK	Temperature	16.30 °C			SM 2000 2550 B	0.58	N/A *
04/01	1600	PJC	Nitrate + Nitrite	6.48 mg/L			HACH 10206	2.08	99.4 *
03/28	1134	JGK	Well Depth, Total	17.60 Feet				N/A	N/A
03/28	1134	JGK	Depth to Water	12.00 Feet				N/A	N/A

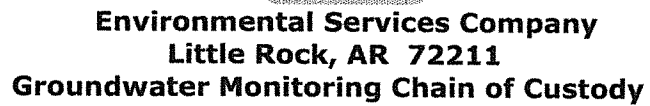
\* QA data shown is from a different sample or standard on the same date.

\* 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.



Sampler Name(s): J. Knoernschild  
and Signature: [Signature]

Sample Date: 3-28-19

Relinquished by: <u>Le JT-Kuenschi, U</u>	Time: <u>1530</u>	Received By Lab: <u>Dr. Beth J. Fierro, Forth</u>	Date: <u>3-28-19</u>	Time: <u>1530</u>
---	-------------------	---	----------------------	-------------------

Comments:

# 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: 1906010426  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 07/09/19

Sample Date : 06/27/19  
Sample Time : 1045  
Sample Type : GRAB WWATER  
Sample From : WELL #13

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	0800	DWC	Chloride (as Cl)	20.0 mg/L			0.00	98.5 *
06/27	1045	JGK	pH	6.3 S.U.			0.00	N/A *
07/02	0900	PJC	Solids, Total Dissolved	40.0 mg/L			4.44	N/A *
06/27	1045	JGK	Spec. Conductance @ 25 C	210.000 umho/c			0.00	N/A
06/27	1045	JGK	Temperature	24.50 °C			0.00	N/A
07/05	1030	PJC	Nitrate + Nitrite	0.90 mg/L			3.24	98.9 *
06/27	1045	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
06/27	1045	JGK	Depth to Water	8.20 Feet			N/A	N/A

\* 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  
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: 1906010427  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 07/09/19

Sample Date : 06/27/19  
Sample Time : 1110  
Sample Type : GRAB WATER  
Sample From : WELL #14

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	0800	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	98.5 *
06/27	1110	JGK	pH	6.4 S.U.			0.00	N/A *
07/02	0900	PJC	Solids, Total Dissolved	24.0 mg/L			4.44	N/A *
06/27	1110	JGK	Spec. Conductance @ 25 C	132.700 umho/c			0.00	N/A *
06/27	1110	JGK	Temperature	33.40 °C			0.00	N/A *
07/05	1030	PJC	Nitrate + Nitrite	0.43 mg/L			3.24	98.9 *
06/27	1110	JGK	Well Depth, Total	13.10 Feet			N/A	N/A
06/27	1110	JGK	Depth to Water	9.10 Feet			N/A	N/A

\* 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  
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: 1906010428  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 06/28/19

Sample Date : 06/27/19  
Sample Time :  
Sample Type : DRY WELL  
Sample From : WELL #16

Collected By:  
Delivery By :  
Work Order :  
Purchase Order :

Analysis							Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method		Precision	Accuracy
06/27	1130	JGK	Dry Well	0.00					% RPD	% Recovery
									N/A	N/A

\* 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  
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: 1906010429  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 07/09/19

Sample Date : 06/27/19  
Sample Time : 1005  
Sample Type : GRAB WATER  
Sample From : WELL #17

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

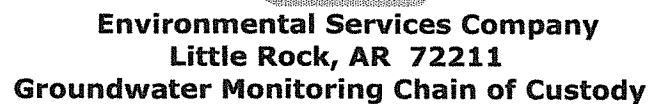
Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	0800	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	98.5 *
06/27	1005	JGK	pH	5.8 S.U.			0.00	N/A *
07/02	0900	PJC	Solids, Total Dissolved	64.0 mg/L			4.44	N/A *
06/27	1005	JGK	Spec. Conductance @ 25 C	105.100 umho/c			0.00	N/A *
06/27	1005	JGK	Temperature	18.40 °C			0.00	N/A *
07/05	1030	PJC	Nitrate + Nitrite	6.78 mg/L			3.24	98.9 *
06/27	1005	JGK	Well Depth, Total	17.60 Feet			N/A	N/A
06/27	1005	JGK	Depth to Water	11.60 Feet			N/A	N/A

\* 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.



Sampler Name(s): J. Kroerslund  
and Signature: *J. Kroerslund*

Sample Date: 11-27-19

[illegible]

Relinquished by: C. L. T. Koonch Time: 1515

Received By Lab:

**Date:** 6/27/19

Time:

Comments:





# 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: 1907010249  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 08/09/19

Sample Date : 07/29/19  
Sample Time : 1122  
Sample Type : GRAB WATER  
Sample From : WELL #13

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
07/29	1500	DWC	Chloride (as Cl)	9.0 mg/L			0.00	99.9 *
07/29	1125	TMO	pH	6.8 S.U.			0.00	N/A *
07/30	0900	PJC	Solids, Total Dissolved	196.0 mg/L			1.06	N/A *
07/29	1125	TMO	Spec. Conductance @ 25 C	275.000 umho/c			0.00	N/A *
07/31	1530	PJC	Nitrate + Nitrite	6.12 mg/L			0.51	98.8 *
07/29	1122	TMO	Well Depth, Total	15.40 Feet			N/A	N/A
07/29	1122	TMO	Depth to Water	10.20 Feet			N/A	N/A

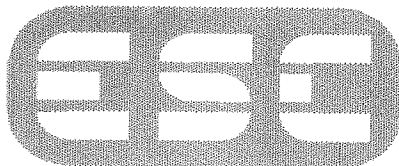
\* QA data shown is from a different sample or standard on the same date.

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.

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



Phone 479-750-1170      Fax: 479-750-1172

## CHAIN OF CUSTODY

[illegible]

# 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: 1907010250  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 08/09/19

Sample Date : 07/29/19  
Sample Time : 1132  
Sample Type : GRAB WATER  
Sample From : WELL #14

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
07/29	1500	DWC	Chloride (as Cl)	13.0 mg/L			0.00	99.9 *
07/29	1136	TMO	pH	7.3 S.U.			0.00	N/A *
07/30	0900	PJC	Solids, Total Dissolved	188.0 mg/L			1.06	N/A *
07/29	1136	TMO	Spec. Conductance @ 25 C	281.000 umho/c			0.00	N/A *
07/31	1530	PJC	Nitrate + Nitrite	6.56 mg/L			0.51	98.8 *
07/29	1132	TMO	Well Depth, Total	13.10 Feet			N/A	N/A
07/29	1132	TMO	Depth to Water	8.70 Feet			N/A	N/A

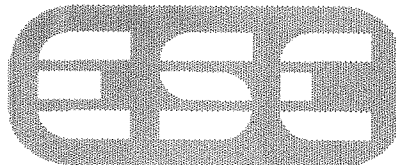
\* QA data shown is from a different sample or standard on the same date.

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.

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



Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

## CHAIN OF CUSTODY

Phone 479-750-1170      Fax: 479-750-1172

Client Information				Project Information							Requested Parameters									
Company Name: Clinton, East GW14				Permit/Project #: AR0048836							TDS(27.), Chloride(7.) NO2 +NO3(91.)									
Address: P.O. Box 277				Purchase Order #:																
Clinton, AR 72031				Work Order #																
Telephone: 501-745-4320				Sampler Name(s): Timothy O'Neal																
Contact: P.O. Box 277				and Signature(s): Timothy O'Neal																
FAX: 501-745-2164																				
ESC Client Number: 508																				
Sample Identification			Sample Collection				Sample Containers													
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Well # 14	1907010250	7-29-19	1132	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X										
	1	1	1	Grab	Water	Plastic	1 Liter	H2SO4	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"/>											
Cool all samples to ≤ 6 degrees C with ice.											Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Comments:				Flow Data		Field Test		Time	Analyst	Result	Result	Units								
				Analyst:		pH:		1136	TM	73	73	SU								
				Time:		Sp Cond:		1136	TM	2840	2840									
				Reading:																
				Units:																
Total Depth-99.10:		13.1																		
H2O Depth - 99.9:		8.7																		
				Chlorinated? Y N		Fecal Start:														
This Document is Page 1																				

# 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: 1907010251  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 08/09/19

Sample Date : 07/29/19  
Sample Time : 1100  
Sample Type : GRAB WATER  
Sample From : WELL #16

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
07/29	1500	DWC	Chloride (as Cl)	14.0 mg/L			0.00	99.9 *
07/29	1104	TMO	pH	6.7 S.U.			0.00	N/A *
07/30	0900	PJC	Solids, Total Dissolved	176.0 mg/L			1.06	N/A *
07/29	1104	TMO	Spec. Conductance @ 25 C	90.100 umho/c			0.00	N/A *
07/31	1530	PJC	Nitrate + Nitrite	2.27 mg/L			0.51	98.8 *
07/29	1100	TMO	Well Depth, Total	17.70 Feet			N/A	N/A
07/29	1100	TMO	Depth to Water	12.30 Feet			N/A	N/A

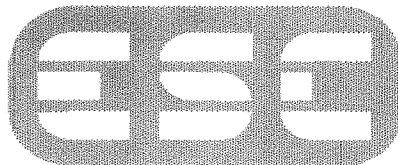
\* QA data shown is from a different sample or standard on the same date.

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.

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



Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

## CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information						Project Information					Requested Parameters								
Company Name: Clinton, East GW16						Permit/Project #: AR0048836					TDS(27.), Chloride(7.) NO2 +NO3(91.)								
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:													
Telephone: 501-745-4320						Work Order #													
Contact: Mr. Todd Burgess						Sampler Name(s): Timothy O'Neal													
FAX: 501-745-2164						and Signature(s): [Signature]													
ESC Client Number: 509																			
Sample Identification		Sample Collection				Sample Containers													
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Well #16	1907010251	7-29-19	1100	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X									
		7-29-19		Grab	Water	Plastic	1 Liter	H2SO4	1		X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/> Turnaround: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Special <input type="checkbox"/> Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time											
Relinquished By: (Signature and Printed Name) Timothy O'Neal		Date 7-29-19	Time 1425	Received for Lab By: (Signature and Printed Name) David Cant David Cant			Date 7-29-19	Time 1425											
Cool all samples to ≤ 6 degrees C with ice.						Flow Data		Field Test	Time	Analyst	Result	Result	Units						
Comments:						Analyst:		pH:	10.4	TMO	6.8	6.8	SU						
						Time:		Sp Cond:	1101	TMS	90.1	90.1							
						Reading:													
						Units:													
Total Depth-99.10:		17.7																	
H2O Depth - 99.9:		12.3				Chlorinated? Y N		Fecal Start:		This Document is Page 1 of 1									

# 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: 1907010252  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 08/09/19

Sample Date : 07/29/19  
Sample Time : 1040  
Sample Type : GRAB WATER  
Sample From : WELL #17

Collected By: TMO  
Delivery By : TMO  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
07/29	1500	DWC	Chloride (as Cl)	3.0 mg/L			0.00	99.9 *
07/29	1044	TMO	pH	5.9 S.U.			0.00	N/A *
07/30	0900	PJC	Solids, Total Dissolved	216.0 mg/L			1.06	N/A *
07/29	1044	TMO	Spec. Conductance @ 25 C	86.900 umho/c			0.00	N/A *
07/31	1530	PJC	Nitrate + Nitrite	5.44 mg/L			0.51	98.8 *
07/29	1040	TMO	Well Depth, Total	17.60 Feet			N/A	N/A
07/29	1040	TMO	Depth to Water	11.60 Feet			N/A	N/A

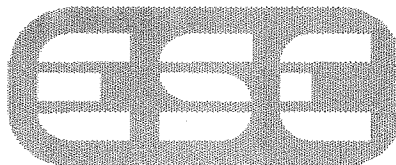
\* QA data shown is from a different sample or standard on the same date.

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.

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



Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

## CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information						Project Information					Requested Parameters										
Company Name: Clinton, East GW17						Permit/Project #: AR0048747					TDS(27.), Chloride(7.) NO2 + NO3(91.)										
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:															
Telephone: 501-745-4320						Work Order #															
Contact: Mr. Todd Burgess						Sampler Name(s): Timothy O'Neal															
FAX: 501-745-2164						and Signature(s): [Signature]															
ESC Client Number: 649																					
Sample Identification			Sample Collection				Sample Containers														
Vell #	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Vell # 17	1907010252	7-29-19	1040	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X											
1	1	1	1	Grab	Water	Plastic	1 Liter	H2SO4	1		X										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name) Timothy O'Neal		Date 7-29-19	Time 1425	Received for Lab By: (Signature and Printed Name) David Cant David Cant			Date 7-29-19	Time 1425	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Cool all samples to < 6 degrees C with ice.						Flow Data		Field Test	Time	Analyst	Result	Result	Units								
Comments: [Signature]						Analyst:		pH:	1044	TMO	5.9	5.9	SU								
						Time:		Sp Cond:	1044	TMO	86.9	86.9									
						Reading:															
						Units:															
Total Depth-99.10:		17 ft																			
H2O Depth - 99.9:		11 ft																			
						Chlorinated? Y N		Fecal Start:			This Document is Page 1										



# 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: 1910010351  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 11/01/19

Sample Date : 10/24/19  
Sample Time : 1321  
Sample Type : GRAB WATER  
Sample From : WELL #13

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
10/25	1000	DWC	Chloride (as Cl)	20.0 mg/L			SM1997 4500ClC	0.00	100.0 *
10/24	1324	NTR	pH	6.7 S.U.			SM 2011 4500-H+B	0.00	N/A
10/25	1545	PJC	Solids, Total Dissolved	204.0 mg/L			SM1997 2540 C	1.98	N/A
10/24	1324	NTR	Spec. Conductance @ 25 C	300.000 umho/c			SM1997 2510B	0.33	N/A
10/30	1230	PJC	Nitrate + Nitrite	0.53 mg/L			HACH 10206	0.35	98.0 *
10/24	1321	NTR	Well Depth, Total	15.40 Feet				N/A	N/A
10/24	1321	NTR	Depth to Water	10.10 Feet				N/A	N/A

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

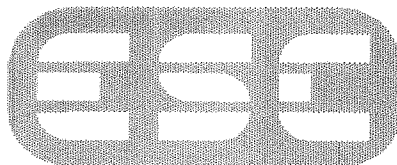
\* QA data shown is from a different sample or standard on the same date.

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.

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



Phone 479-750-1170 Fax: 479-750-1172

## CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters										
Company Name: Clinton, East GW13						Permit/Project #: AR0048836						<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TDS(27.), Chloride(7.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NO2 + NO3(91.)</div> </div>										
Address: P.O. Box 277						Purchase Order #:																
Clinton, AR 72031						Work Order #:																
Telephone: 501-745-4320						Sampler Name(s): Ned Ryerson																
Contact: Mr. Phil Graham						and Signature(s): <i>Ned Ryerson</i>																
FAX: 501-745-2164																						
ESC Client Number: 507																						
Sample Identification		Sample Collection				Sample Containers																
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
Well #13	1910010351	10-24-19	1321	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X												
+	+	+	+	Grab	Water	Plastic	1 Liter	H2SO4	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 By: (Signature and Printed Name)			Date	Time	Turnaround:													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:													
Cool all samples to ≤ 6 degrees C with ice.									Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
Comments:						Flow Data		Field Test	Time	Analyst	Result	Result	Units									
						Analyst:		pH:	1324	NPR	6.7	6.7	SU									
						Time:		Sp Cond:	1324	NPR	300	299	µmhos/cm									
						Reading:																
						Units:																
Total Depth-99.10:						15' 4"																
H2O Depth - 99.9:						10' 1"																
						Chlorinated? Y N		Fecal Start:														

# 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: 1910010352  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 11/01/19

Sample Date : 10/24/19  
Sample Time : 1356  
Sample Type : GRAB WATER  
Sample From : WELL #14

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

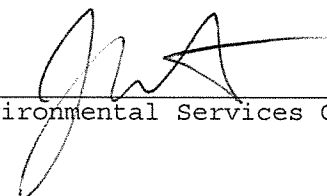
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>% RPD</u>	<u>% Recovery</u>
10/25	1000	DWC	Chloride (as Cl)	20.0 mg/L			0.00	100.0 *
10/24	1358	NTR	pH	6.8 S.U.			0.00	N/A *
10/25	1545	PJC	Solids, Total Dissolved	120.0 mg/L			1.98	N/A *
10/24	1358	NTR	Spec. Conductance @ 25 C	198.000 umho/c			0.33	N/A *
10/30	1230	PJC	Nitrate + Nitrite	0.31 mg/L			0.35	98.0 *
10/24	1356	NTR	Well Depth, Total	13.10 Feet			N/A	N/A
10/24	1356	NTR	Depth to Water	8.90 Feet			N/A	N/A

\* 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.



WV



Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170 Fax: 479-750-1172

Client Information						Project Information						Requested Parameters							
Company Name: Clinton, East GW14						Permit/Project #: AR0048836						TDS(27.), Chloride(7.) NO2 + NO3(91.)							
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:													
Telephone: 501-745-4320						Work Order #													
Contact: Mr. Todd Burgess						Sampler Name(s): Ned Rycison													
FAX: 501-745-2164						and Signature(s): Ned Burg													
ESC Client Number: 508																			
Sample Identification			Sample Collection				Sample Containers												
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Well # 14	1910010352	10-24-19	1356	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X									
I	f	f	f	Grab	Water	Plastic	1 Liter	H2SO4	1		X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: <input checked="" type="checkbox"/> Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name) <i>Ned Rycison - Ned Rycison</i>		Date 10-24-19	Time 1745	Received for Lab By: (Signature and Printed Name) <i>JUST GSKC C/LR</i>			Date 10-24-19	Time 1745	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Cool all samples to ≤ 6 degrees C with ice.				Flow Data		Field Test		Time	Analyst	Result	Result	Units							
Comments:				Analyst:		pH:		1358	NTR	6.8	6.9	SW							
				Time:		Sp Cond:		1358	NTR	198	201	µMOS/cm							
				Reading:															
				Units:															
Total Depth-99.10:		13' 1"																	
H2O Depth - 99.9:		8' 9"																	
				Chlorinated? Y N		Fecal Start:				This Document is Page 1									

# 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: 1910010353  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 11/01/19

Sample Date : 10/24/19  
Sample Time : 1424  
Sample Type : GRAB WATER  
Sample From : WELL #16

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :


Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
10/25	1000	DWC	Chloride (as Cl)	20.0 mg/L			SM1997 4500ClC	0.00	100.0 *
10/24	1430	NTR	pH	6.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
10/25	1545	PJC	Solids, Total Dissolved	136.0 mg/L			SM1997 2540 C	1.98	N/A *
10/24	1430	NTR	Spec. Conductance @ 25 C	83.800 umho/c			SM1997 2510B	0.33	N/A *
10/30	1230	PJC	Nitrate + Nitrite	2.82 mg/L			HACH 10206	0.35	98.0 *
10/24	1424	NTR	Well Depth, Total	14.00 Feet				N/A	N/A
10/24	1424	NTR	Depth to Water	8.70 Feet				N/A	N/A

\* 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.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170      Fax: 479-750-1172

Client Information						Project Information					Requested Parameters									
Company Name: Clinton, East GW16						Permit/Project #: AR0048836					TDS(27.), Chloride(7.) NO2 +NO3(91.)									
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:														
Telephone: 501-745-4320						Work Order #														
Contact: Mr. Todd Burgess						Sampler Name(s): Ned Ryerson														
FAX: 501-745-2164						and Signature(s): [Signature]														
ESC Client Number: 509																				
Sample Identification		Sample Collection				Sample Containers														
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Well #16	1910010353	10-24-19	1745	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X										
+ I	I	I	I	Grab	Water	Plastic	1 Liter	H2SO4	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 By: (Signature and Printed Name)			Date	Time	Turnaround:											
Cool all samples to 5 degrees C with ice.		10-24-19	1745	[Signature]			10-24-19	1745	Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Comments:		Flow Data			Field Test		Time	Analyst	Result	Result	Units									
		Analyst:			pH:		1430	NRL	6.0	6.0	SU									
		Time:			Sp Cond:		1430	NRL	83.8	83.5	[Signature]									
		Reading:																		
		Units:																		
Total Depth-99.10:	14' 0"				Chlorinated? Y N		Fecal Start:	This Document is Page 1 of 1												
H2O Depth - 99.9:	8' 7"																			

# 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: 1910010354  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 11/01/19

Sample Date : 10/24/19  
Sample Time : 1246  
Sample Type : GRAB WATER  
Sample From : WELL #17

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
10/25	1000	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	100.0 *
10/24	1248	NTR	pH	6.6 S.U.			0.00	N/A *
10/25	1545	PJC	Solids, Total Dissolved	80.0 mg/L			1.98	N/A *
10/24	1248	NTR	Spec. Conductance @ 25 C	92.900 umho/c			0.33	N/A *
10/30	1230	PJC	Nitrate + Nitrite	6.32 mg/L			0.35	98.0 *
10/24	1246	NTR	Well Depth, Total	17.60 Feet			N/A	N/A
10/24	1246	NTR	Depth to Water	12.10 Feet			N/A	N/A

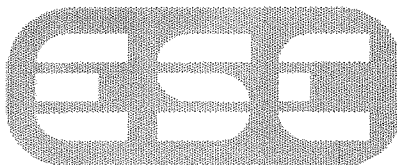
\* QA data shown is from a different sample or standard on the same date.

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.

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



Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170      Fax: 479-750-1172

[illegible]

## actions



# 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: 2009010455  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 10/02/20

Sample Date : 09/24/20  
Sample Time : 1328  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

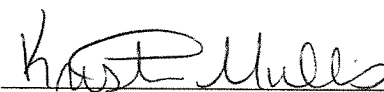
Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
09/25	0810	MRR	BOD, 5-day	18.70 mg/L		SM 2011 5210 B	3.51	101.0 *
09/28	1310	BXW	Ammonia as N, (HACH/SM)	0.28 mg/L		H/SM 11 10205/4500	3.79	107.0 *
09/29	1017	MRR	Total Kjeldahl Nitrogen	6.0 mg/L		02/2014 HACH 10242	0.84	107.0 *
09/24	1330	NTR	pH	7.2 S.U.		SM 2011 4500-H+B	0.00	N/A *
09/29	1726	KNM	Copper	< 0.0070 mg/L		EPA 200.8	1.18	104.2 *
09/29	1726	KNM	Zinc	0.0915 mg/L		EPA 200.8	1.20	104.8 *
10/01	1350	KNM	Arsenic	< 0.0070 mg/L		EPA 200.8	0.60	113.8 *
10/01	1601	KNM	Selenium	< 0.0109 mg/L		EPA 200.8	1.85	121.0 *
09/24	1330	NTR	Spec. Conductance @ 25 C	164.100 umho/c		SM1997 2510B	0.34	N/A *
09/24	1710	BXW	Fecal Coliform	12976.4 /100ml		06/2012 Colilert18	0.00	N/A *
09/29	1726	KNM	Cadmium	< 0.0064 mg/L		EPA 200.8	0.30	101.4 *
09/25	1333	KNM	Mercury	< 0.0010 mg/L		EPA 245.1	9.73	82.6 *
09/29	1726	KNM	Lead	0.0064 mg/L		EPA 200.8	1.67	94.7 *
09/28	1441	MRR	Nitrate + Nitrite	3.16 mg/L		HACH 10206	2.30	105.0 *

\* 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.

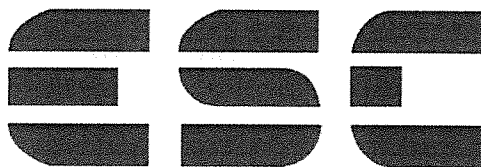
Signature



Environmental Services Co., Inc.

44

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)



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters													
Client: Clinton, East IW						Permit/Project #: AR0048836					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BOD(3.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NH3-N(15.A), NO3 + NO2(91.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TKN(16.C)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals (See Comments)</div> </div>													
Address: P.O. Box 277						Purchase Order #:																		
Clinton, AR 72031						Work Order #:																		
Phone: 501-745-4320						Sampler Name(s): Ned Ryerson																		
Fax: 501-745-2164						and Signature(s): Ned Ryerson																		
Contact: Mr. Phil Graham																								
ESC Client Number: 619																								
Sample Identification		Sample Collection				Sample Containers																		
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#															
Irrigation Water	2009010455	9-24-20	1328	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X														
I	I	I	I	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X												
I	I	I	I	Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	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 By: (Signature and Printed Name)		Date	Time	Turnaround:																
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>																
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:																
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)		Flow Data		Field Test		Time	Analyst	Result	Result	Units														
Cd(48.HW), Pb(82.HW), UU.MD		Analyst:		pH:		1330	NTL	7.2	7.2	S.U.														
		Time:		Conduct:		1330	NTL	164.1	164.2	UMHOS														
		Reading:																						
		Units:																						
											This Document is Page 1 of 1													

# 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: 2010010320  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/02/22

Sample Date : 10/22/20  
Sample Time : 1213  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
10/23	0645	KNM	BOD, 5-day	10.6 mg/L			13.57	87.0
10/26	1655	BXW	Ammonia as N, (HACH/SM)	8.40 mg/L			1.98	99.1 *
10/28	0905	KNM	Total Kjeldahl Nitrogen	17.3 mg/L			4.91	106.0
10/29	1254	KNM	Potassium	7.0090 mg/L			1.24	118.8
10/22	1214	NTR	pH	7.8 S.U.			0.00	N/A
10/27	1038	KNM	Copper	< 0.0070 mg/L			4.74	108.2
10/27	1038	KNM	Zinc	0.0396 mg/L			8.96	96.4
10/29	1254	KNM	Arsenic	< 0.0070 mg/L			2.04	97.5
10/29	1254	KNM	Selenium	< 0.0109 mg/L			3.48	96.1
10/22	1213	NTR	Spec. Conductance @ 25 C	265.000 umho/c			1.90	N/A
10/27	1038	KNM	Cadmium	< 0.00640 mg/L			0.86	107.4
10/29	1551	KNM	Mercury	< 0.0010 mg/L			12.26	122.0 *
10/29	1254	KNM	Lead	0.01150 mg/L			1.30	87.9
10/23	1430	EDA	Nitrate + Nitrite	0.87 mg/L			2.06	105.0
10/30	0800	KNM	Sodium Absorption Ratio	45.9537 Ratio				

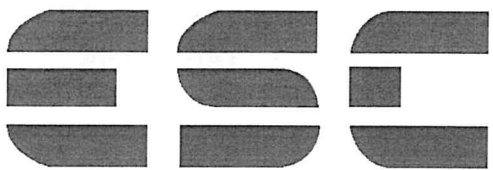
\* QA data shown is from a different sample or standard on the same date.

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.esclabs.com](http://www.esclabs.com)



Springdale, Arkansas  
479-750-1170  
  
Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information				Project Information				Requested Parameters													
Client:		Clinton, East IW		Permit/Project #:		AR0048836		BOD(3.) NH3-N(15.A), NO3 + NO2(91.) TKN(16.C) Metals (See Comments)													
Address:		P.O. Box 277		Purchase Order #:																	
		Clinton, AR 72031		Work Order #																	
Phone:		501-745-4320		Sampler Name(s):		Ned Ryerson															
Fax:		501-745-2164		and Signature(s):		Ned Ryerson															
Contact:		Mr. Phil Graham																			
ESC Client Number: 619																					
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See Comments)								
Irrigation Water	2010010320	10-22-20	1213	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X											
+	+	+	+	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X									
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:													
								Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:													
								Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:													
Ned Ryerson		10-22-20	1710	Benjamin Wang		10-22-20	1710	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
								Flow Data		Meld Test	Time	Analyst	Result	Result	Units						
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Analyst:		pH:	1214	Ned	7.8	7.8	S.U.										
Cd(48.HW), Pb(82.HW), 00.MD				Time:		Conduct:	1214	Ned	265	260	U MHOS										
				Reading:																	
				Units:																	
This Document is Page 1 of 1																					

# 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: 2001010093  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 01/20/20

Composite Date:01/05/20 -01/06/20  
Sample Time : 0800-0800  
Sample Type : 24HRC  
Sample From : FINAL EFFLUENT

Collected By: JJM  
Delivery By : JJM  
Work Order :  
Purchase Order :

Analysis				<u>Laboratory Analysis</u>			<u>Quality Assurance</u>		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/09	0930	TCF	Phosphorous, Total (as P)	0.210 mg/L			HACH 10209	0.49	96.9 *
01/17	1500	NTR	Nitrate + Nitrite	0.87 mg/L			HACH 10206	0.41	98.9 *

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

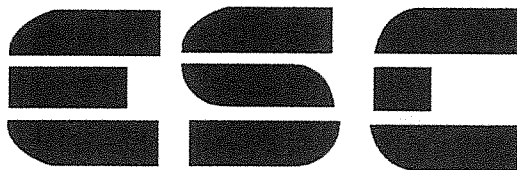
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.



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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters									
Client: Clinton, East 001						Permit/Project #: AR0048836							NO3+NO2(91), Total P(25)									
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:																
Phone: 501-745-4320						Work Order #																
Fax: 501-745-2164						Sampler Name(s): Josh Miller																
Contact: Mr. Phil Graham						and Signature(s): Josh Miller																
ESC Client Number: 495 (3X per week)																						
Sample Identification				Sample Collection				Sample Containers														
Identification		ESC Control #		Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Final Effluent		2001010093		11/5/25	0800	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	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"/>										
Relinquished By: (Signature and Printed Name)				Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Comments:						Flow Data		Field Test		Time	Analyst	Result	Result	Units								
								Analyst:		Grab pH:				S.U.								
								Time:		Grab DO:				mg/L								
								Reading:		E Coli Start												
								Units:		Fecal Start:												
														This Document is Page 1 of 1								

# 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

## Quality Assurance

Analysis								
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
01/06	1252	JJM	Dissolved Oxygen	10.30 mg/L		96.13 #/day	SM 2001 4500-O G	0.00
01/09	1100	TCF	Ammonia as N, (HACH/SM)	4.67 mg/L		43.59 #/day	H/SM 11 10205/4500	2.85
01/06	1252	JJM	pH	7.4 S.U.			SM 2011 4500-H+B	0.00
01/07	0800	PJC	Solids, Total Suspended	< 2.50 mg/L		23.33 #/day	SM 2011 2540 D	2.25
01/06	1600	HMK	E. Coliforms	3.1 /100ml			06/2012 Colilert18	0.00
01/06	1600	HMK	Fecal Coliform	4.1 /100ml			06/2012 Colilert18	0.00
01/20	1029	NTR	Cadmium	< 0.10 ug/L		0.00 #/day	EPA 200.8	2.24
01/08	0730	DWC	BOD, Carbonaceous	< 2.00 mg/L		18.67 #/day	SM 2011 5210 B	5.03
01/16	1100	PJC	Mercury, ug/L	< 1.00000 ug/L		0.01 #/day	EPA 245.7	2.20
Flow				1.120000	MGD			
								% Recovery
								N/A *
								101.4 *
								N/A *
								N/A *
								N/A *
								86.6 *
								102.4 *
								98.0

\* 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.

752



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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters							
Client: Clinton, East 001						Permit/Project #: AR0048836							CBOD(70.), TSS(28.) NH3-N(15.A), NO3+NO2(91), TotalP(25)  Fecal Coliform (43.IF), E. Coli(43.IE)							
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:														
Phone: 501-745-4320						Work Order #														
Fax: 501-745-2164						Sampler Name(s): Josh Miller														
Contact: Mr. Phil Graham						and Signature(s): [Signature]														
ESC Client Number: 495																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Final Effluent	2001010090	1/6/20	0800	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X										
	↓	↓	↓	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1	X										
	↓	1/6/20	1244	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: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments:				Flow Data		Field Test		Time	Analyst	Result	Result	Units								
				Analyst: JSM		Grab pH:		1292	JSM	7.4		S.U.								
				Time: 1244		Grab DO:		1292	JSM	10.3		mg/L								
				Reading: 1.12		E Coli Start		1600	HMK											
				Units: MGD		Fecal Start:		1600	HMK											



# 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: 2003010379  
Customer Name : CLINTON, EAST 40.24 LA PB 3  
Customer Number : 3004  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1050  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB3

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	3.4430 mg/kg		SM 1997 4500-NH3 C	0.56	100.6
04/10	1524	KNM	Mercury	0.0190 mg/Kg		SW-846 7474 02/07	8.38	88.6
03/24	0630	NTR	Nitrate Nitrogen	4.130 mg/kg		SM 2000 4500-NO3 E	1.75	100.2
03/24	1250	NTR	Phosphorous, Total (as P)	324.8410 mg/kg		EPA 365.3	0.12	99.0
04/02	2226	KNM	Magnesium	87.37 mg/Kg		SW-846 6020A	7.68	102.4
04/02	2226	KNM	Potassium	102.39 mg/Kg		SW-846 6020A	6.77	110.7
03/31	1536	KNM	pH Soil	5.90 S.U.		SW846 9045C	1.68	N/A
04/02	2226	KNM	Nickel	3.303 mg/Kg		SW-846 6020A	0.88	98.5
04/02	2226	KNM	Copper	1.454 mg/Kg		SW-846 6020A	0.93	98.2
04/02	2226	KNM	Zinc	5.937 mg/Kg		SW-846 6020A	0.89	103.0
03/24	0800	NTR	Nitrogen, Plant Available	7.57 mg/kg		33 MSA 2nd Ed		
04/02	2226	KNM	Arsenic	0.914 mg/Kg		SW-846 6020A	1.70	106.1
03/24	1135	NTR	Specific Conductance	64.6000 umhos		EPA (MOD)9050A	0.47	N/A
04/02	2226	KNM	Cadmium	1.289 mg/Kg		SW-846 6020A	1.46	98.7
03/25	0945	KNM	Solids, % Total	79.885 %		SM 1997 2540 G	0.49	N/A *
04/02	2226	KNM	Lead	3.854 mg/Kg		SW-846 6020A	0.58	98.5

\* 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.

KNM

# 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: 2003010380  
Customer Name : CLINTON, EAST 40.24 LA PB 30  
Customer Number : 3003  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1105  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB30

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	2.0100 mg/kg		SM 1997 4500-NH3 C	0.56	100.6 *
04/10	1524	KNM	Mercury	0.0250 mg/Kg		SW-846 7474 02/07	8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	6.970 mg/kg		SM 2000 4500-NO3 E	1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	376.3550 mg/kg		EPA 365.3	0.12	99.0 *
04/02	2258	KNM	Magnesium	127.79 mg/Kg		SW-846 6020A	7.68	102.4 *
04/02	2258	KNM	Potassium	127.94 mg/Kg		SW-846 6020A	6.77	110.7 *
03/31	1539	KNM	pH Soil	6.60 S.U.		SW846 9045C	1.68	N/A *
04/02	2258	KNM	Nickel	3.701 mg/Kg		SW-846 6020A	0.88	98.5 *
04/02	2258	KNM	Copper	1.410 mg/Kg		SW-846 6020A	0.93	98.2 *
04/02	2258	KNM	Zinc	7.688 mg/Kg		SW-846 6020A	0.89	103.0 *
03/25	0800	NTR	Nitrogen, Plant Available	8.98 mg/kg		33 MSA 2nd Ed		
04/02	2258	KNM	Arsenic	1.147 mg/Kg		SW-846 6020A	1.70	106.1 *
03/24	1135	NTR	Specific Conductance	12.9000 umhos		EPA (MOD)9050A	0.47	N/A *
04/02	2258	KNM	Cadmium	0.716 mg/Kg		SW-846 6020A	1.46	98.7 *
03/25	0945	KNM	Solids, % Total	79.579 %		SM 1997 2540 G	0.49	N/A *
04/02	2258	KNM	Lead	3.243 mg/Kg		SW-846 6020A	0.58	98.5 *

\* 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.

KNM

# 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: 2003010381  
Customer Name : CLINTON, EAST 55.57 LA PB 10  
Customer/Permit No. : 511 / AR0048836 001  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1120  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB10

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	< 0.0594 mg/kg		SM 1997 4500-NH3 C	0.56	100.6 *
04/10	1524	KNM	Mercury	< 0.0140 mg/Kg		SW-846 7474 02/07	8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	4.220 mg/kg		SM 2000 4500-NO3 E	1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	337.0940 mg/kg		EPA 365.3	0.12	99.0 *
04/02	2309	KNM	Magnesium	78.31 mg/Kg		SW-846 6020A	7.68	102.4 *
04/02	2309	KNM	Potassium	114.34 mg/Kg		SW-846 6020A	6.77	110.7 *
03/31	1540	KNM	pH Soil	5.70 S.U.		SW846 9045C	1.68	N/A *
04/02	2309	KNM	Nickel	2.961 mg/Kg		SW-846 6020A	0.88	98.5 *
04/02	2309	KNM	Copper	1.267 mg/Kg		SW-846 6020A	0.93	98.2 *
04/02	2309	KNM	Zinc	4.841 mg/Kg		SW-846 6020A	0.89	103.0 *
03/25	0800	NTR	Nitrogen, Plant Available	4.22 mg/kg		33 MSA 2nd Ed		
04/02	2309	KNM	Arsenic	0.748 mg/Kg		SW-846 6020A	1.70	106.1 *
03/24	1135	NTR	Specific Conductance	28.7000 umhos		EPA (MOD)9050A	0.47	N/A *
04/02	2309	KNM	Cadmium	1.172 mg/Kg		SW-846 6020A	1.46	98.7 *
03/25	0945	KNM	Solids, % Total	84.101 %		SM 1997 2540 G	0.49	N/A *
04/02	2309	KNM	Lead	3.517 mg/Kg		SW-846 6020A	0.58	98.5 *

\* 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.

KNM

# 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: 2003010382  
Customer Name : CLINTON, EAST 55.57 LA PB 3  
Customer Number : 3002  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1140  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB3

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	3.0480 mg/kg		SM 1997 4500-NH3 C	0.56	100.6 *
04/10	1524	KNM	Mercury	< 0.0220 mg/Kg		SW-846 7474 02/07	8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	0.553 mg/kg		SM 2000 4500-NO3 E	1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	357.1110 mg/kg		EPA 365.3	0.12	99.0 *
04/02	2320	KNM	Magnesium	97.90 mg/Kg		SW-846 6020A	7.68	102.4 *
04/02	2320	KNM	Potassium	109.69 mg/Kg		SW-846 6020A	6.77	110.7 *
03/31	1542	KNM	pH Soil	5.80 S.U.		SW846 9045C	1.68	N/A *
04/02	2320	KNM	Nickel	3.074 mg/Kg		SW-846 6020A	0.88	98.5 *
04/02	2320	KNM	Copper	1.285 mg/Kg		SW-846 6020A	0.93	98.2 *
04/02	2320	KNM	Zinc	5.638 mg/Kg		SW-846 6020A	0.89	103.0 *
03/25	0800	NTR	Nitrogen, Plant Available	3.60 mg/kg		33 MSA 2nd Ed		
04/02	2320	KNM	Arsenic	0.980 mg/Kg		SW-846 6020A	1.70	106.1 *
03/24	1135	NTR	Specific Conductance	15.2000 umhos		EPA (MOD)9050A	0.47	N/A *
04/02	2320	KNM	Cadmium	0.900 mg/Kg		SW-846 6020A	1.46	98.7 *
03/25	0945	KNM	Solids, % Total	80.367 %		SM 1997 2540 G	0.49	N/A *
04/02	2320	KNM	Lead	3.196 mg/Kg		SW-846 6020A	0.58	98.5 *

\* 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.

KNM

# 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: 2003010383  
Customer Name : CLINTON, EAST 55.57 LA PB 30  
Customer Number : 3001  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1150  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB30

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	< 0.0591 mg/kg			0.56	100.6 *
04/10	1524	KNM	Mercury	< 0.0090 mg/Kg			8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	0.709 mg/kg			1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	353.1870 mg/kg			0.12	99.0 *
04/02	2331	KNM	Magnesium	58.51 mg/Kg			7.68	102.4 *
04/02	2331	KNM	Potassium	69.99 mg/Kg			6.77	110.7 *
03/31	1543	KNM	pH Soil	5.70 S.U.			1.68	N/A *
04/02	2331	KNM	Nickel	2.175 mg/Kg			0.88	98.5 *
04/02	2331	KNM	Copper	0.976 mg/Kg			0.93	98.2 *
04/02	2331	KNM	Zinc	3.926 mg/Kg			0.89	103.0 *
03/25	0800	NTR	Nitrogen, Plant Available	0.70 mg/kg				
04/02	2331	KNM	Arsenic	0.639 mg/Kg			1.70	106.1 *
03/24	1135	NTR	Specific Conductance	28.1000 umhos			0.47	N/A *
04/02	2331	KNM	Cadmium	0.831 mg/Kg			1.46	98.7 *
03/25	0945	KNM	Solids, % Total	84.516 %			0.49	N/A *
04/02	2331	KNM	Lead	2.577 mg/Kg			0.58	98.5 *

\* 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.

KNM

# 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: 2003010384  
Customer Name : CLINTON, EAST LA AIRPORT9  
Customer Number : 2959  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1200  
Sample Type : GRAB SOIL  
Sample From : EAST LA AIRPORTS

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
03/24	0845	NTR	Ammonia Nitrogen	1.2990 mg/kg			SM 1997 4500-NH3 C	0.56	100.6 *
04/10	1524	KNM	Mercury	< 0.0100 mg/Kg			SW-846 7474 02/07	8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	2.041 mg/kg			SM 2000 4500-NO3 E	1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	305.0440 mg/kg			EPA 365.3	0.12	99.0 *
04/02	2341	KNM	Magnesium	92.25 mg/Kg			SW-846 6020A	7.68	102.4 *
04/02	2341	KNM	Potassium	132.43 mg/Kg			SW-846 6020A	6.77	110.7 *
03/31	1544	KNM	pH Soil	5.30 S.U.			SW846 9045C	1.68	N/A *
04/02	2341	KNM	Nickel	3.196 mg/Kg			SW-846 6020A	0.88	98.5 *
04/02	2341	KNM	Copper	1.347 mg/Kg			SW-846 6020A	0.93	98.2 *
04/02	2341	KNM	Zinc	4.523 mg/Kg			SW-846 6020A	0.89	103.0 *
03/25	0800	NTR	Nitogen, Plant Available	3.33 mg/kg			33 MSA 2nd Ed		
04/02	2341	KNM	Arsenic	0.992 mg/Kg			SW-846 6020A	1.70	106.1 *
03/24	1135	NTR	Specific Conductance	26.6000 umhos			EPA (MOD)9050A	0.47	N/A *
04/02	2341	KNM	Cadmium	0.941 mg/Kg			SW-846 6020A	1.46	98.7 *
03/25	0945	KNM	Solids, % Total	80.808 %			SM 1997 2540 G	0.49	N/A *
04/02	2341	KNM	Lead	3.149 mg/Kg			SW-846 6020A	0.58	98.5 *

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

\* 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.

KNM

# 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: 2003010385

Customer Name : CLINTON, EAST LA WD13

Customer Number : 2960

Report Date : 04/13/20

Sample Date : 03/23/20

Sample Time : 1225

Sample Type : GRAB SOIL

Sample From : EAST LA WD13

Collected By: JGK

Delivery By : JGK

Work Order :

Purchase Order :

Analysis						Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/24	0845	NTR	Ammonia Nitrogen	2.2140 mg/kg			SM 1997 4500-NH3 C	0.56	100.6 *
04/10	1524	KNM	Mercury	< 0.0090 mg/Kg			SW-846 7474 02/07	8.38	88.6 *
03/24	0630	NTR	Nitrate Nitrogen	5.289 mg/kg			SM 2000 4500-NO3 E	1.75	100.2 *
03/24	1250	NTR	Phosphorous, Total (as P)	337.6750 mg/kg			EPA 365.3	0.12	99.0 *
04/02	2352	KNM	Magnesium	74.44 mg/Kg			SW-846 6020A	7.68	102.4 *
04/02	2352	KNM	Potassium	98.36 mg/Kg			SW-846 6020A	6.77	110.7 *
03/31	1545	KNM	pH Soil	5.10 S.U.			SW846 9045C	1.68	N/A *
04/02	2352	KNM	Nickel	2.596 mg/Kg			SW-846 6020A	0.88	98.5 *
04/02	2352	KNM	Copper	1.003 mg/Kg			SW-846 6020A	0.93	98.2 *
04/02	2352	KNM	Zinc	4.032 mg/Kg			SW-846 6020A	0.89	103.0 *
03/25	0800	NTR	Nitrogen, Plant Available	7.50 mg/kg			33 MSA 2nd Ed		
04/02	2352	KNM	Arsenic	0.884 mg/Kg			SW-846 6020A	1.70	106.1 *
03/24	1135	NTR	Specific Conductance	23.4000 umhos			EPA (MOD)9050A	0.47	N/A *
04/02	2352	KNM	Cadmium	0.739 mg/Kg			SW-846 6020A	1.46	98.7 *
03/25	0945	KNM	Solids, % Total	81.291 %			SM 1997 2540 G	0.49	N/A *
04/02	2352	KNM	Lead	2.689 mg/Kg			SW-846 6020A	0.58	98.5 *

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

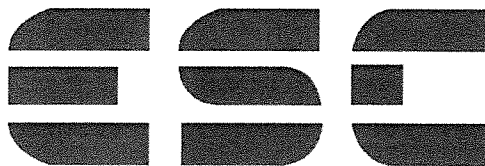
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

KNM

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters									
Client:		Clinton, City of (East Land App)				Permit/Project #:					<div>Metals (See Comments)</div> <div>Nitrate Nitrogen(01.3), Phos(01.9)</div> <div>Soil pH(23.S), Spec Cond(35.M)</div> <div>Ammonia(01.1), PAN(33.AN)</div>									
Address:		P.O. Box 277				Purchase Order #:														
		Clinton, AR 72031				Work Order #														
Phone:		501-745-4320				Sampler Name(s): J. Kromschid														
Fax:		Mr. Phil Graham																		
Contact:		501-745-2164				and Signature(s): [Signature]														
ESC Client Number:		Various																		
Sample Identification			Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
East LA 40.24 PB3 (3004)	2003010379	3/23/20	1050	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 40.24 PB30 (3003)	2003010380	3/23/20	1105	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB10 (511)	2003010381	3/23/20	1120	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB3 (3002)	2003010382	3/23/20	1140	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB30 (3001)	2003010383	3/23/20	1150	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA Airport9 (2959)	2003010384	3/23/20	1200	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA WD13 (2960)	2003010385	3/23/20	1225	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	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 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 type="checkbox"/> Special <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved: Yes <input type="checkbox"/> No <input type="checkbox"/>										
Comments: Hg(01.14), Mn(12.HS), K(19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS) As(33.HS), Cd(48.HS), Pb(82.HS), 00.MS						Flow Data		Field Test	Time	Analyst	Result	Result	Units							
						Analyst:														
						Time:														
						Reading:														
						Units:														
						Fecal Start:							This Document is Page 1 of 1							



# 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: 2003010539  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 04/02/20

Sample Date : 03/23/20  
Sample Time : 1130  
Sample Type : GRAB WWATER  
Sample From : WELL 13

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/01	0915	DWC	Chloride (as Cl)	20.0 mg/L			0.00	93.0 *
03/23	1130	JGK	pH	6.5 S.U.			0.00	N/A *
03/27	1030	NTR	Solids, Total Dissolved	258.0 mg/L			0.34	N/A *
03/23	1135	JGK	Spec. Conductance @ 25 C	238.000 umho/c			0.42	N/A
03/23	1135	JGK	Temperature	14.60 °C			0.00	N/A
03/25	1450	KNM	Nitrate + Nitrite	0.16 mg/L			4.20	99.8 *
03/23	1130	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
03/23	1130	JGK	Depth to Water	5.60 Feet			N/A	N/A

\* 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.

KNM

# 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: 2003010540  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 04/02/20

Sample Date : 03/23/20  
Sample Time : 1115  
Sample Type : GRAB WWATER  
Sample From : WELL 14

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Analysis							Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery	
04/01	0915	DWC	Chloride (as Cl)	10.0 mg/L			SM1997 4500ClC	0.00	93.0 *	
03/23	1115	JGK	pH	6.6 S.U.			SM 2011 4500-H+B	0.00	N/A *	
03/27	1030	NTR	Solids, Total Dissolved	110.0 mg/L			SM1997 2540 C	0.34	N/A *	
03/23	1120	JGK	Spec. Conductance @ 25 C	99.900 umho/c			SM1997 2510B	0.42	N/A *	
03/23	1120	JGK	Temperature	14.70 °C			SM 2000 2550 B	0.00	N/A *	
03/25	1450	KNM	Nitrate + Nitrite	4.51 mg/L			HACH 10206	4.20	99.8 *	
03/23	1115	JGK	Well Depth, Total	13.10 Feet				N/A	N/A	
03/23	1115	JGK	Depth to Water	4.10 Feet				N/A	N/A	

\* 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.

KNM

# 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: 2003010542  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 04/13/20

Sample Date : 03/23/20  
Sample Time : 1020  
Sample Type : GRAB WWATER  
Sample From : WELL 17

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/01	0915	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	93.0 *
03/23	1020	JGK	pH	6.1 S.U.			0.00	N/A *
03/27	1030	NTR	Solids, Total Dissolved	142.0 mg/L			0.34	N/A *
03/23	1025	JGK	Spec. Conductance @ 25 C	76.600 umho/c			0.42	N/A *
03/23	1025	JGK	Temperature	15.20 °C			0.00	N/A *
03/25	1450	KNM	Nitrate + Nitrite	6.46 mg/L			4.20	99.8 *
03/23	1020	JGK	Well Depth, Total	17.60 Feet			N/A	N/A
03/23	1020	JGK	Depth to Water	7.20 Feet			N/A	N/A

\* 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.

KNM

Sample Date: 3/23/20

Relinquished by: <i>G. K. J. Kwonchik</i>	Time: <i>1415</i>	Received By Lab: <i>Rand Pittman</i>	Date: <i>3/23/20</i>	Time: <i>1415</i>
---	-------------------	--------------------------------------	----------------------	-------------------

Comments:

# 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: 2009010451  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 09/30/20

Sample Date : 09/24/20  
Sample Time : 1449  
Sample Type : GRAB WATER  
Sample From : #13 (507)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
09/25	1446	MRR	Chloride (as Cl)	29.9 mg/L			SM1997 4500ClC	0.00	99.9 *
09/24	1450	NTR	pH	6.2 S.U.			SM 2011 4500-H+B	0.00	N/A
09/28	1439	BXW	Solids, Total Dissolved	< 2.5 mg/L			SM1997 2540 C	0.00	N/A *
09/24	1450	NTR	Spec. Conductance @ 25 C	145.400 umho/c			SM1997 2510B	0.57	N/A *
09/24	1450	NTR	Temperature	18.50 °C			SM 2000 2550 B	0.00	N/A
09/28	1441	MRR	Nitrate + Nitrite	1.91 mg/L			HACH 10206	2.30	105.0 *
09/24	1449	NTR	Well Depth, Total	15.33 Feet				N/A	N/A
09/24	1411	NTR	Depth to Water	9.33 Feet				N/A	N/A

\* 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.

24

# 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: 2009010452  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 09/30/20

Sample Date : 09/24/20  
Sample Time : 1411  
Sample Type : GRAB WATER  
Sample From : #14 (508)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
09/25	1446	MRR	Chloride (as Cl)	9.9 mg/L			0.00	99.9 *
09/24	1413	NTR	pH	6.3 S.U.			0.00	N/A *
09/28	1439	BXW	Solids, Total Dissolved	150.0 mg/L			0.00	N/A *
09/24	1413	NTR	Spec. Conductance @ 25 C	119.600 umho/c			0.34	N/A
09/24	1413	NTR	Temperature	18.90 °C			0.00	N/A *
09/28	1441	MRR	Nitrate + Nitrite	1.20 mg/L			2.30	105.0 *
09/24	1411	NTR	Well Depth, Total	13.08 Feet			N/A	N/A
09/24	1411	NTR	Depth to Water	8.25 Feet			N/A	N/A

\* 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.

48

# 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: 2009010453  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 09/29/20

Sample Date : 09/24/20  
Sample Time : 1347  
Sample Type : GRAB WATER  
Sample From : #16 (509)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
09/24	1347	NTR	Dry Well	0.00			N/A	N/A
* 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.

nd

# 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: 2009010454  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 10/05/20

Sample Date : 09/24/20  
Sample Time : 1352  
Sample Type : GRAB WATER  
Sample From : #17 (649)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
09/25	1446	MRR	Chloride (as Cl)	< 0.1 mg/L			0.00	99.9
09/24	1353	NTR	pH	6.1 S.U.			0.00	N/A *
10/01	0825	KNM	Solids, Total Dissolved	191.6 mg/L			0.00	N/A *
09/24	1353	NTR	Spec. Conductance @ 25 C	76.300 umho/c			0.34	N/A *
09/24	1353	NTR	Temperature	19.30 °C			0.00	N/A *
09/28	1441	MRR	Nitrate + Nitrite	6.02 mg/L			2.30	105.0 *
09/24	1352	NTR	Well Depth, Total	17.50 Feet			N/A	N/A
09/24	1352	NTR	Depth to Water	12.38 Feet			N/A	N/A

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

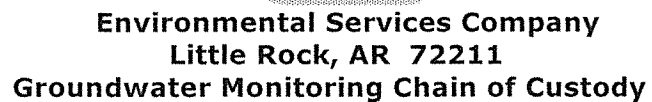
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

MS





Sampler Name(s): Ned Ryerson  
and Signature: Ned Ryerson

Sample Date: 9-24-2020

[illegible]

Relinquished by: <u>Ned Ryan - Ned Ryans</u>	Time:	Received By Lab: <u>[Signature] Ben Wong</u>	Date: <u>7/24/20</u>	Time: <u>1645</u>
--	-------	--	----------------------	-------------------

Comments:

# 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: 2010010322  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 10/30/20

Sample Date : 10/22/20  
Sample Time : 1307  
Sample Type : GRAB WATER  
Sample From : 13 (507)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
10/29	1450	BXW	Chloride (as Cl)	10.0 mg/L			0.00	90.0
10/22	1307	NTR	pH	6.2 S.U.			0.00	N/A *
10/23	1530	EDA	Solids, Total Dissolved	80.0 mg/L			4.45	N/A *
10/22	1307	NTR	Spec. Conductance @ 25 C	188.400 umho/c			1.90	N/A *
10/23	1430	EDA	Nitrate + Nitrite	1.12 mg/L			2.06	105.0 *
10/22	1307	NTR	Well Depth, Total	15.33 Feet			N/A	N/A
10/22	1307	NTR	Depth to Water	8.13 Feet			N/A	N/A

\* 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.

ay

# 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: 2010010323  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 10/30/20

Sample Date : 10/22/20  
Sample Time : 1250  
Sample Type : GRAB WATER  
Sample From : 14 (508)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

## Laboratory Analysis

### Analysis

Date	Time	By	Parameter	Result	Notes	Quantity	Method
10/29	1450	BXW	Chloride (as Cl)	10.0 mg/L			SM1997 4500ClC
10/22	1250	NTR	pH	5.8 S.U.			SM 2011 4500-H+B
10/23	1530	EDA	Solids, Total Dissolved	< 2.5 mg/L			SM1997 2540 C
10/22	1250	NTR	Spec. Conductance @ 25 C	129.200 umho/c			SM1997 2510B
10/23	1430	EDA	Nitrate + Nitrite	< 0.23 mg/L			HACH 10206
10/22	1250	NTR	Well Depth, Total	13.08 Feet			
10/22	1250	NTR	Depth to Water	9.66 Feet			

## Quality Assurance

Precision	Accuracy
% RPD	% Recovery
0.00	90.0 *
0.00	N/A *
4.45	N/A *
1.90	N/A *
2.06	105.0 *
N/A	N/A
N/A	N/A

\* 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.

af

# 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: 2010010324  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 10/26/20

Sample Date : 10/22/20  
Sample Time : NA  
Sample Type : GRAB WATER  
Sample From : 16 DRY WELL

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

## Laboratory Analysis

<u>Analysis</u>							<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
10/22	1200	NTR	Dry Well	0.00				N/A	N/A

\* 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.

Ug

# 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: 2010010325  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 10/30/20

Sample Date : 10/22/20  
Sample Time : 1236  
Sample Type : GRAB WATER  
Sample From : 17 (649)

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

## Laboratory Analysis

Analysis							<u>Quality Assurance</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Precision</u>	<u>Accuracy</u>
							<u>% RPD</u>	<u>% Recovery</u>
10/29	1450	BXW	Chloride (as Cl)	10.0 mg/L			0.00	90.0 *
10/22	1236	NTR	pH	5.5 S.U.			0.00	N/A *
10/23	1530	EDA	Solids, Total Dissolved	146.7 mg/L			4.45	N/A *
10/22	1236	NTR	Spec. Conductance @ 25 C	93.900 umho/c			1.90	N/A *
10/23	1430	EDA	Nitrate + Nitrite	5.86 mg/L			2.06	105.0 *
10/22	1236	NTR	Well Depth, Total	17.50 Feet			N/A	N/A
10/22	1236	NTR	Depth to Water	12.58 Feet			N/A	N/A

\* 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.

ms



Sampler Name(s): Ned Kyerson  
and Signature: Ned Kyerson

Sample Date: October 22, 2020

[illegible]

Relinquished by: Neil King -

Time: 1710

Received By Lab: *John Benjamin*

Date: 10/22/20

Time: 1710

Comments:

page 1 of 1

# 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: 2103010676  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/02/22

Sample Date : 03/19/21  
Sample Time : 1330  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/19	1644	EDA	BOD, 5-day	18.0 mg/L			14.97	106.0 *
03/30	1023	AKA	Ammonia as N, (HACH/SM)	5.47 mg/L			1.57	90.3 *
03/25	1017	AKA	Total Kjeldahl Nitrogen	16.7 mg/L			8.01	115.0 *
03/30	1508	KNM	Potassium	4.6100 mg/L			5.34	111.2 *
03/19	1330	HMK	pH	8.4 S.U.			0.00	N/A *
03/30	1508	KNM	Copper	< 0.0200 mg/L			0.41	101.5 *
03/30	1508	KNM	Zinc	< 0.0500 mg/L			4.07	102.0 *
03/30	1508	KNM	Arsenic	< 0.0100 mg/L			0.29	99.7 *
03/30	1508	KNM	Selenium	< 0.0150 mg/L			6.67	99.6 *
04/06	1433	BXW	Spec. Conductance @ 25 C	211.610 umho/c				
03/30	1508	KNM	Cadmium	< 0.02000 mg/L			1.05	105.6 *
03/26	1845	KNM	Mercury	0.0010 mg/L			0.56	111.4 *
03/30	1508	KNM	Lead	< 0.01000 mg/L			0.46	89.2 *
03/22	1331	BXW	Nitrate + Nitrite	6.53 mg/L			0.80	103.0 *
04/01	0800	KNM	Sodium Absorption Ratio	51.7228 Ratio				

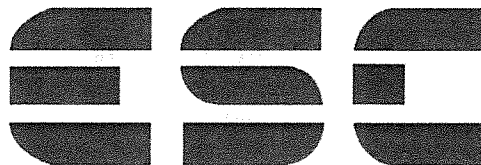
\* QA data shown is from a different sample or standard on the same date.

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.esclabs.com](http://www.esclabs.com)



Springdale, Arkansas  
479-750-1170  
Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters									
Client: Clinton, East IW						Permit/Project #: AR0048836						<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BOD(3.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NH3-N(15.A), NO3 + NO2(91.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TKN(16.C)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals (See Comments)</div> </div>									
Address: P.O. Box 277						Purchase Order #:															
Clinton, AR 72031						Work Order #															
Phone: 501-745-4320						Sampler Name(s): <i>Hayden Kelly</i>															
Fax: 501-745-2164						and Signature(s): <i>[Signature]</i>															
Contact: Mr. Phil Graham						ESC Client Number: 619															
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See Comments)								
Irrigation Water	2103010676	3/19/21	1330	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X											
	L	L	L	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X									
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:													
								Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:													
								Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:													
<i>Hayden Kelly</i>		3/19/21	1643	<i>[Signature]</i>		3/19/21	1643	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
								Flow Data		Field Test	Time	Analyst	Result	Result	Units						
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Analyst:		pH:	1330	HWK	8.4	8.4	S.U.										
Cd(48.HW), Pb(82.HW), 00.MD				Time:		Conduct:	L	L	-99	-99	U MHOS										
				Reading:																	
				Units:																	
																		This Document is Page 1 of 1			

BXW



# 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: 2107010259  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 08/02/21

Sample Date : 07/26/21  
Sample Time : 1155  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: DMP  
Delivery By : DMP  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
07/28	0536	BXW	BOD, 5-day	7.9 mg/L		SM 2011 5210 B	16.95	96.0 *
07/28	1010	EJD	Ammonia as N, (HACH/SM)	1.66 mg/L		SM 2011 4500-NH3-G	0.78	97.9 *
07/28	1110	AKA	Total Kjeldahl Nitrogen	7.1 mg/L		02/2014 HACH 10242	0.00	105.0
07/26	1200	DMP	pH	7.3 S.U.		SM 2011 4500-H+B	0.00	N/A *
07/29	2311	NTR	Copper	< 0.0200 mg/L		EPA 200.8	6.34	122.0 *
07/29	2311	NTR	Zinc	< 0.0500 mg/L		EPA 200.8	5.99	109.7 *
07/29	2311	NTR	Arsenic	< 0.0100 mg/L		EPA 200.8	9.89	115.1 *
07/29	2311	NTR	Selenium	< 0.0150 mg/L		EPA 200.8	12.93	96.3 *
07/26	1620	DMP	Spec. Conductance @ 25 C	144.900 umho/c		EPA 120.1	0.07	N/A
07/29	2311	NTR	Cadmium	< 0.0200 mg/L		EPA 200.8	8.32	92.0 *
07/27	1523	KNM	Mercury	< 0.0050 mg/L		EPA 245.1	10.53	99.3
07/29	2311	NTR	Lead	< 0.0100 mg/L		EPA 200.8	4.30	99.3 *
07/27	1155	EJD	Nitrate + Nitrite	3.22 mg/L		HACH 10206	3.32	100.0

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

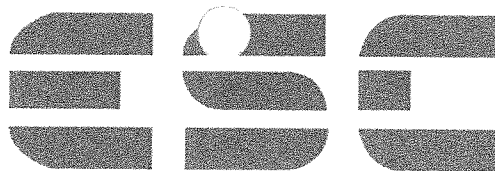
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

NIL

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)



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters												
Client: Clinton, East IW						Permit/Project #: AR0048836					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BOD(3.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NH3-N(15.A), NO3 + NO2(91.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TKN(16.C)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals (See Comments)</div> </div>												
Address: P.O. Box 277						Purchase Order #:																	
Clinton, AR 72031						Work Order #																	
Phone: 501-745-4320						Sampler Name(s): DAVID PIERCE																	
Fax: 501-745-2164						and Signature(s): David Pierce																	
Contact: Mr. Phil Graham																							
ESC Client Number: 619																							
Sample Identification		Sample Collection				Sample Containers																	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#														
Irrigation Water	2107010259	07/24/21	1155	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X													
	L	L	L	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X											
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	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 By: (Signature and Printed Name)		Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>															
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
DAVID PIERCE		07/26/21	1640	[Signature]		7/26/21	1640																
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)						Flow Data	Field Test	Time	Analyst	Result	Result	Units											
Cd(48.HW), Pb(82.HW), 00.MD						Analyst:	pH:	7/25/20	DLP	7.3	7.5	S.U.											
						Time:	Conduct:	1620	DLP	144.9	144.9	U MHOS											
						Reading:					145.0												
						Units:																	
													This Document is Page 1 of 1										

13XW

# 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: 2111010350  
Customer Name : CLINTON, EAST IW  
Customer/Permit No. : 619 / AR0048836 001  
Report Date : 12/15/21

Sample Date : 11/15/21  
Sample Time : 1010  
Sample Type : GRAB WWATER  
Sample From : IRRIGATION WATER

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
11/17	0935	SLL	BOD, 5-day	22.8 mg/L			4.33	108.0 *
11/23	1104	SLL	Ammonia as N, (HACH/SM)	8.23 mg/L			0.00	103.0 *
11/29	0550	NTR	Total Kjeldahl Nitrogen	15.1 mg/L			4.17	96.0 *
11/15	1015	JGK	pH	8.0 S.U.			0.00	N/A *
11/18	0000	NTR	Copper	< 0.0200 mg/L			0.44	96.6 *
11/18	0000	NTR	Zinc	< 0.0500 mg/L			0.96	90.0 *
11/18	0000	NTR	Arsenic	< 0.0100 mg/L			0.01	88.6 *
11/18	0000	NTR	Selenium	< 0.0150 mg/L			1.70	89.7 *
11/15	1015	JGK	Electric Conductivity	215.00 umho/c			0.00	100.0 *
11/18	0000	NTR	Cadmium	< 0.0200 mg/L			0.44	87.0 *
12/14	1200	NTR	Mercury	< 0.0050 mg/L			4.45	81.6 *
11/18	0000	NTR	Lead	< 0.0100 mg/L			0.25	93.1 *
12/01	1000	NTR	Nitrate + Nitrite	4.11 mg/L			5.29	95.5
* QA data shown is from a different sample or standard on the same date.								

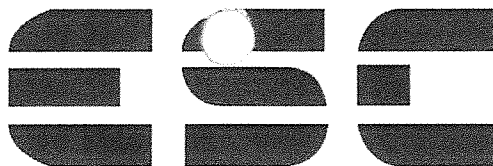
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

14

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters										
Client:		Clinton, East IW				Permit/Project #:		AR0048836					BOD(3.) NH3-N(15.A), NO3 + NO2(91.) TKN(16.C) Metals (See Comments)										
Address:		P.O. Box 277 Clinton, AR 72031				Purchase Order #:																	
Phone:		501-745-4320				Work Order #																	
Fax:		501-745-2164				Sampler Name(s):		<u>J. Kneemich</u>															
Contact:		Mr. Phil Graham				and Signature(s):		<u>[Signature]</u>															
ESC Client Number: 619																							
Sample Identification			Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See Comments)										
Irrigation Water	2111010390	11/15/21	1010	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X													
		L	L	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X											
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>														
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														
<u>[Signature]</u> J. Kneemich		11/15/21	1600	<u>[Signature]</u> James Thibault			11/15/21	1600															
						Flow Data	Field Test	Time	Analyst	Result	Result	Units											
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)						Analyst:	pH:	1015	TN	8.0	8.0	S.U.											
Cd(48.HW), Pb(82.HW), 00.MD						Time:	Conductivity	1015	TN	215	215	U MHOS											
						Reading:																	
						Units:																	
								1635	JTH	This Document is Page 1 of 1													

# 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: 2103010321  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 03/25/21

Composite Date:03/17/21 -03/18/21  
Sample Time : 1000-1000/1350(03/18)  
Sample Type : COMP/GRAB WWATER  
Sample From : FINAL EFFLUENT

Collected By: PHIL GRAHAM/HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/18	1350	HMK	Dissolved Oxygen	9.30 mg/L		86.80 #/day	0.11	N/A *
03/24	1309	AKA	Ammonia as N, (HACH/SM)	1.38 mg/L		12.88 #/day	0.78	101.0 *
03/18	1350	HMK	pH	8.2 S.U.			0.00	N/A *
03/23	0940	ZWA	Solids, Total Suspended	< 2.50 mg/L		23.33 #/day	33.29	N/A *
03/18	1805	EDA	E. Coliforms	< 1.0 /100ml			0.00	N/A
03/18	1805	EDA	Fecal Coliform	< 1.0 /100ml			0.00	N/A *
03/19	0917	EDA	BOD, Carbonaceous	< 2.0 mg/L		18.67 #/day	14.63	127.0 *
Flow				1.120000	MGD			

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

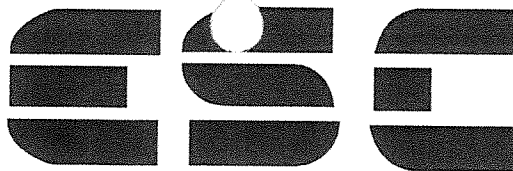
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

NR

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



Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY

[illegible]

Bew

# 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: 2101010237  
Customer Name : CLINTON, EAST 001  
Customer/Permit No. : 495 / AR0048836 001  
Report Date : 02/10/21

Composite Date: 01/17/21 - 01/18/21  
Sample Time : 0900-0900/0900(01/18)  
Sample Type : COMP/GRAB WWATER  
Sample From : FINAL EFFLUENT

Collected By: WGW  
Delivery By : WGW  
Work Order :  
Purchase Order :

## Laboratory Analysis

Analysis						Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD
01/18	0905	WGW	Dissolved Oxygen	11.11 mg/L		96.29 #/day	SM 2001 4500-O G	0.00
01/21	1100	AKA	Ammonia as N, (HACH/SM)	8.06 mg/L	(b) (c)	69.85 #/day	H/SM 11 10205/4500	3.44
01/18	0905	WGW	pH	8.0 S.U.			SM 2011 4500-H+B	0.00
01/20	1020	AKA	Phosphorus, Total (as P)	0.717 mg/L		6.21 #/day	HACH 10209	1.25
01/19	0845	EDA	Solids, Total Suspended	9.00 mg/L		78.00 #/day	SM 2011 2540 D	22.39
01/18	1653	BXW	E. Coliforms	54.3 /100ml			06/2012 Colilert18	0.00
01/18	1650	BXW	Fecal Coliform	86.9 /100ml			06/2012 Colilert18	0.00
02/10	1247	KNM	Cadmium	6.1100 ug/L	(c) N3	0.05 #/day	EPA 200.8	4.00
01/20	0638	BXW	BOD, Carbonaceous	< 2.0 mg/L		17.33 #/day	SM 2011 5210 B	0.00
01/19	1015	AKA	Nitrate + Nitrite	0.45 mg/L		3.90 #/day	HACH 10206	9.23
				Flow	1.040000	MGD		

N3 The sample detection is too low to permit accurate quantification, but estimated concentration is less than the laboratory PQL and greater than the laboratory method detection limit.

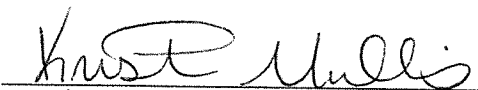
\* QA data shown is from a different sample or standard on the same date.

(b) Exceeds Permit Limits for Average Concentration

(c) Exceeds Permit Limits for Average Quantity

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.

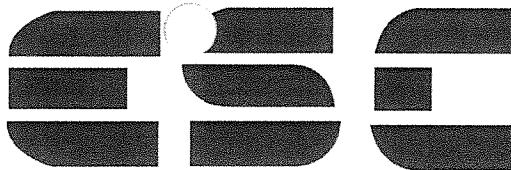
Signature



Environmental Services Co., Inc.

mm

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)



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters									
Client: Clinton, East 001						Permit/Project #: AR0048836						<div style="display: flex; flex-direction: column; align-items: center;"> <div>CBOD(70), TSS(28.)</div> <div>NH3-N(15.A)</div> <div>Fecal Coliform (43.IF), E. Coli(43.IE)</div> <div>48. PS <i>Wm</i></div> </div>									
Address: P.O. Box 277						Purchase Order #:															
Clinton, AR 72031						Work Order #:															
Phone: 501-745-4320						Sampler Name(s): <i>William Willoughby</i>															
Fax: 501-745-2164						and Signature(s): <i>William Willoughby</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	#												
Final Effluent <i>WJW</i>	<i>2101010250</i>	<i>11/17/21-11/18/21</i>	<i>0900-0900</i>	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool $\leq 6^{\circ}$ C	1	X											
<i>+</i>	<i>2101010237</i>	<i>" L "</i>	<i>" L "</i>	24Hr. Comp	Wwater	Plastic	8 oz	Cool $\leq 6^{\circ}$ C, H2SO4 to pH <2	1	X											
	<i>L</i>	<i>11/18/21</i>	<i>0900</i>	Grab	Wwater	Plastic	100mls	Cool $<10^{\circ}$ C, Na2S2O3	2		X										
	<i>L</i>	<i>11/17-18/21</i>	<i>0900-0900</i>	<i>24 HR Comp</i>	<i>WWater</i>	<i>Plastic</i>	<i>80Z</i>	<i>HNO3 pH &lt;2</i>				X									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:													
								Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:													
								Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:													
<i>William Willoughby William Willoughby</i>		<i>11/18/21</i>	<i>1626</i>	<i>Benjamin Wong</i>		<i>11/18/21</i>	<i>1626</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
				Flow Data		Field Test	Time	Analyst	Result	Result	Units										
Comments:				Analyst:		Grab pH:	<i>0905</i>	<i>WGW</i>	<i>8.0</i>	<i>8.0</i>	S.U.										
				Time:		Grab DO:	<i>0905</i>	<i>WGW</i>	<i>11.1</i>	<i>11.1</i>	mg/L										
				Reading:																	
				Units:		E Coli Start	<i>1653</i>	<i>BXW</i>													
						Fecal Start:	<i>1650</i>	<i>BXW</i>	This Document is Page <u>1</u> of <u>1</u>												



*Metals Aliquoted from Composite*  
*ICNM*



# 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: 2103010415  
Customer Name : CLINTON, EAST 40.24 LA PB 3  
Customer Number : 3004  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1155  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB3

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :


## Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.1800 mg/kg			SM 1997 4500-NH3 C	7.21	96.3 *
04/13	1809	KNM	Mercury	0.0800 mg/Kg			SW846 7474 02/07	15.92	97.4
03/25	1345	EDA	Nitrate Nitrogen	718.350 mg/kg			SM 2000 4500-NO3 E	3.28	101.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	1.9745 mg/kg			EPA 365.3	5.65	100.0 *
04/16	1121	KNM	Magnesium	799.24 mg/Kg			SW-846 6020A	6.29	110.8 *
04/16	1121	KNM	Potassium	743.67 mg/Kg			SW-846 6020A	4.78	97.3 *
03/23	1550	ZWA	pH Soil	6.40 S.U.			SW846 9045C	3.08	N/A
04/16	1121	KNM	Nickel	18.889 mg/Kg			SW-846 6020A	4.01	108.4 *
04/16	1121	KNM	Copper	7.359 mg/Kg			SW-846 6020A	3.04	109.8 *
04/16	1121	KNM	Zinc	44.201 mg/Kg			SW-846 6020A	3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	13.10 mg/kg			SM1997 4500 N		
04/16	1121	KNM	Arsenic	6.632 mg/Kg			SW-846 6020A	2.43	107.4 *
04/16	1132	KNM	Selenium	1.274 mg/Kg			SW-846 6020A	2.98	103.8 *
04/19	1550	ZWA	Specific Conductance	213.6459 umhos			EPA (MOD)9050A	7.20	87.5
04/16	1132	KNM	Molybdenum	1.320 mg/Kg			SW-846 6020A	1.18	108.3 *
04/16	1121	KNM	Cadmium	< 0.017 mg/Kg			SW-846 6020A	3.65	107.8 *
03/22	1124	ZWA	Solids, % Total	74.441 %			SM 1997 2540 G	0.44	N/A *
04/16	1121	KNM	Lead	15.942 mg/Kg			SW-846 6020A	3.42	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	14.2506 meq			EPA 9081		
04/17	0800	KNM	Sodium Absorption Ratio	0.1777 Ratio			AGRN 724		

\* 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  
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: 2103010416  
Customer Name : CLINTON, EAST 40.24 LA PB 30  
Customer Number : 3003  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1210  
Sample Type : GRAB SOIL  
Sample From : EAST LA 40.24 PB30

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.3120 mg/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/13	1809	KNM	Mercury	0.1530 mg/Kg		SW846 7474 02/07	15.92	97.4 *
03/25	1345	EDA	Nitrate Nitrogen	75.810 mg/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	1.1125 mg/kg		EPA 365.3	5.65	100.0 *
04/16	1127	KNM	Magnesium	1745.20 mg/Kg		SW-846 6020A	6.29	110.8 *
04/16	1127	KNM	Potassium	1146.90 mg/Kg		SW-846 6020A	4.78	97.3 *
03/23	1550	ZWA	pH Soil	6.90 S.U.		SW846 9045C	3.08	N/A *
04/16	1127	KNM	Nickel	31.567 mg/Kg		SW-846 6020A	4.01	108.4 *
04/16	1127	KNM	Copper	20.893 mg/Kg		SW-846 6020A	3.04	109.8 *
04/16	1127	KNM	Zinc	114.311 mg/Kg		SW-846 6020A	3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	23.80 mg/kg		SM1997 4500 N		
04/16	1127	KNM	Arsenic	12.436 mg/Kg		SW-846 6020A	2.43	107.4 *
04/16	1132	KNM	Selenium	3.439 mg/Kg		SW-846 6020A	2.98	103.8 *
04/19	1550	ZWA	Specific Conductance	299.7150 umhos		EPA (MOD)9050A	7.20	87.5 *
04/16	1132	KNM	Molybdenum	3.628 mg/Kg		SW-846 6020A	1.18	108.3 *
04/16	1127	KNM	Cadmium	< 0.047 mg/Kg		SW-846 6020A	3.65	107.8 *
03/22	1124	ZWA	Solids, % Total	28.816 %		SM 1997 2540 G	0.44	N/A *
04/16	1127	KNM	Lead	24.773 mg/Kg		SW-846 6020A	3.42	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	32.4005 meq		EPA 9081		
04/17	0800	KNM	Sodium Absorption Ratio	0.4248 Ratio		AGRN 724		

\* 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  
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: 2103010417  
Customer Name : CLINTON, EAST 55.57 LA PB 10  
Customer/Permit No. : 511 / AR0048836 001  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1115  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB10


Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.4100 mg/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07	1818	KNM	Mercury	< 0.0450 mg/Kg		SW846 7474 02/07	19.02	80.9 *
03/25	1345	EDA	Nitrate Nitrogen	176.080 mg/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	0.5872 mg/kg		EPA 365.3	5.65	100.0 *
04/16	1132	KNM	Magnesium	589.61 mg/Kg		SW-846 6020A	6.29	110.8 *
04/16	1132	KNM	Potassium	458.23 mg/Kg		SW-846 6020A	4.78	97.3 *
03/23	1550	ZWA	pH Soil	6.80 S.U.		SW846 9045C	3.08	N/A *
04/16	1132	KNM	Nickel	9.919 mg/Kg		SW-846 6020A	4.01	108.4 *
04/16	1132	KNM	Copper	5.095 mg/Kg		SW-846 6020A	3.04	109.8 *
04/16	1132	KNM	Zinc	28.706 mg/Kg		SW-846 6020A	3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	8.11 mg/kg		SM1997 4500 N		
04/16	1132	KNM	Arsenic	3.628 mg/Kg		SW-846 6020A	2.43	107.4 *
04/16	1132	NTR	Selenium	1.781 mg/Kg		SW-846 6020A	2.98	108.5 *
04/19	1550	ZWA	Specific Conductance	221.7245 umhos		EPA (MOD)9050A	7.20	87.5 *
04/16	1132	KNM	Molybdenum	1.677 mg/Kg		SW-846 6020A	1.18	108.3 *
04/16	1132	KNM	Cadmium	< 0.024 mg/Kg		SW-846 6020A	3.65	107.8 *
03/22	1124	ZWA	Solids, % Total	72.108 %		SM 1997 2540 G	0.44	N/A *
04/16	1132	KNM	Lead	9.206 mg/Kg		SW-846 6020A	3.42	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	10.3785 meq		EPA 9081		
04/17	0800	KNM	Sodium Absorption Ratio	0.2123 Ratio		AGRN 724		

\* 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  
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: 2103010418  
Customer Name : CLINTON, EAST 55.57 LA PB 3  
Customer Number : 3002  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1125  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB3

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.6620 mg/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07	1818	KNM	Mercury	< 0.0310 mg/Kg		SW846 7474 02/07	19.02	80.9 *
03/25	1345	EDA	Nitrate Nitrogen	202.960 mg/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	2.3153 mg/kg		EPA 365.3	5.65	100.0 *
04/16	1207	KNM	Magnesium	752.59 mg/Kg		SW-846 6020A	6.29	110.8 *
04/16	1207	KNM	Potassium	526.50 mg/Kg		SW-846 6020A	4.78	97.3 *
03/23	1550	ZWA	pH Soil	6.90 S.U.		SW846 9045C	3.08	N/A *
04/16	1207	KNM	Nickel	13.158 mg/Kg		SW-846 6020A	4.01	108.4 *
04/16	1207	KNM	Copper	5.939 mg/Kg		SW-846 6020A	3.04	109.8 *
04/16	1207	KNM	Zinc	39.203 mg/Kg		SW-846 6020A	3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	7.21 mg/kg		SM1997 4500 N		
04/16	1207	KNM	Arsenic	4.459 mg/Kg		SW-846 6020A	2.43	107.4 *
04/16	1132	KNM	Selenium	2.218 mg/Kg		SW-846 6020A	2.98	103.8 *
04/19	1550	ZWA	Specific Conductance	199.6038 umhos		EPA (MOD)9050A	7.20	87.5 *
04/16	1132	KNM	Molybdenum	1.950 mg/Kg		SW-846 6020A	1.18	108.3 *
04/16	1207	KNM	Cadmium	< 0.028 mg/Kg		SW-846 6020A	3.65	107.8 *
03/22	1124	ZWA	Solids, % Total	76.030 %		SM 1997 2540 G	0.44	N/A *
04/16	1207	KNM	Lead	9.530 mg/Kg		SW-846 6020A	3.42	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	12.7056 meq		EPA 9081		
04/17	0800	KNM	Sodium Absorption Ratio	0.3140 Ratio		AGRN 724		

\* 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  
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: 2103010419  
Customer Name : CLINTON, EAST 55.57 LA PB 30  
Customer Number : 3001  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1140  
Sample Type : GRAB SOIL  
Sample From : EAST LA 55.57 PB30

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.1960 mg/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07	1818	KNM	Mercury	< 0.0440 mg/Kg		SW846 7474 02/07	20.56	80.9 *
03/25	1345	EDA	Nitrate Nitrogen	291.360 mg/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	1.4577 mg/kg		EPA 365.3	5.65	100.0 *
04/16	1156	KNM	Magnesium	612.17 mg/Kg		SW-846 6020A	6.29	110.8 *
04/16	1156	KNM	Potassium	693.62 mg/Kg		SW-846 6020A	4.78	97.3 *
03/23	1550	ZWA	pH Soil	6.60 S.U.		SW846 9045C	3.08	N/A *
04/16	1156	KNM	Nickel	10.643 mg/Kg		SW-846 6020A	4.01	108.4 *
04/16	1156	KNM	Copper	3.656 mg/Kg		SW-846 6020A	3.04	109.8 *
04/16	1156	KNM	Zinc	25.087 mg/Kg		SW-846 6020A	3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	8.56 mg/kg		SM1997 4500 N		
04/16	1156	KNM	Arsenic	4.508 mg/Kg		SW-846 6020A	2.43	107.4 *
04/16	1132	KNM	Selenium	2.247 mg/Kg		SW-846 6020A	2.98	103.8 *
04/19	1550	ZWA	Specific Conductance	245.5300 umhos		EPA (MOD)9050A	7.20	87.5 *
04/16	1132	KNM	Molybdenum	1.977 mg/Kg		SW-846 6020A	1.19	108.2 *
04/16	1156	KNM	Cadmium	< 0.028 mg/Kg		SW-846 6020A	3.65	107.8 *
03/22	1124	ZWA	Solids, % Total	70.386 %		SM 1997 2540 G	0.44	N/A *
04/16	1156	KNM	Lead	10.051 mg/Kg		SW-846 6020A	3.42	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	55.6369 meq		EPA 9081		
04/17	0800	KNM	Sodium Absorption Ratio	0.0676 Ratio		AGRN 724		

\* 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  
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: 2103010420  
Customer Name : CLINTON, EAST LA AIRPORT9  
Customer Number : 2959  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1250  
Sample Type : GRAB SOIL  
Sample From : EAST LA AIRPORT9

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	4.2550 mg/kg			7.21	96.3 *
04/07	1818	KNM	Mercury	< 0.0440 mg/Kg			20.56	80.9 *
03/25	1345	EDA	Nitrate Nitrogen	323.640 mg/kg			3.28	101.0
04/14	0745	KNM	Phosphorous, Total (as P)	< 0.2567 mg/kg			5.65	100.0 *
04/16	1202	KNM	Magnesium	396.40 mg/Kg			6.29	110.8 *
04/16	1202	KNM	Potassium	375.01 mg/Kg			4.78	97.3 *
03/23	1550	ZWA	pH Soil	7.10 S.U.			3.08	N/A *
04/16	1202	KNM	Nickel	8.485 mg/Kg			4.01	108.4 *
04/16	1202	KNM	Copper	3.528 mg/Kg			3.04	109.8 *
04/16	1202	KNM	Zinc	16.986 mg/Kg			3.11	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	6.12 mg/kg				
04/16	1202	KNM	Arsenic	3.933 mg/Kg				
04/16	1132	KNM	Selenium	1.682 mg/Kg				
04/19	1550	ZWA	Specific Conductance	97.4922 umhos				
04/16	1132	KNM	Molybdenum	1.473 mg/Kg				
04/16	1202	KNM	Cadmium	< 0.021 mg/Kg				
03/22	1124	ZWA	Solids, % Total	77.862 %				
04/16	1202	KNM	Lead	7.595 mg/Kg				
04/17	0800	KNM	Cation Exchange Capacity	9.2592 meq				
04/17	0800	KNM	Sodium Absorption Ratio	0.1891 Ratio				

\* 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  
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: 2103010421  
Customer Name : CLINTON, EAST LA WD13  
Customer Number : 2960  
Report Date : 04/24/21

Sample Date : 03/19/21  
Sample Time : 1320  
Sample Type : GRAB SOIL  
Sample From : EAST LA WD13

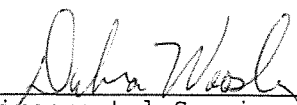
Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
04/14	1220	AKA	Ammonia Nitrogen	0.0290 mg/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07	1818	KNM	Mercury	0.0560 mg/Kg		SW846 7474 02/07	19.02	80.9 *
03/24	1600	EDA	Nitrate Nitrogen	6.564 mg/kg		SM 2000 4500-NO3 E	0.54	100.0 *
04/14	0745	KNM	Phosphorous, Total (as P)	0.1101 mg/kg		EPA 365.3	4.67	100.0
04/16	1213	KNM	Magnesium	735.81 mg/Kg		SW-846 6020A	6.29	110.8 *
04/16	1213	KNM	Potassium	674.19 mg/Kg		SW-846 6020A	15.19	97.3 *
03/23	1550	ZWA	pH Soil	6.80 S.U.		SW846 9045C	3.08	N/A *
04/16	1213	KNM	Nickel	13.396 mg/Kg		SW-846 6020A	4.92	108.4 *
04/16	1213	KNM	Copper	4.988 mg/Kg		SW-846 6020A	3.61	109.8 *
04/16	1213	KNM	Zinc	31.241 mg/Kg		SW-846 6020A	5.01	96.8 *
04/24	0800	KNM	Nitrogen, Plant Available	5.37 mg/kg		SM1997 4500 N		
04/16	1213	KNM	Arsenic	5.415 mg/Kg		SW-846 6020A	2.93	107.4 *
04/16	1132	KNM	Selenium	2.699 mg/Kg		SW-846 6020A	19.97	108.5 *
04/19	1550	ZWA	Specific Conductance	402.1440 umhos		EPA (MOD)9050A	7.20	87.5 *
04/16	1132	KNM	Molybdenum	2.538 mg/Kg		SW-846 6020A	1.19	108.2 *
04/16	1213	KNM	Cadmium	< 0.038 mg/Kg		SW-846 6020A	3.70	107.8 *
03/22	1124	ZWA	Solids, % Total	76.395 %		SM 1997 2540 G	0.44	N/A *
04/16	1213	KNM	Lead	9.896 mg/Kg		SW-846 6020A	4.02	106.6 *
04/17	0800	KNM	Cation Exchange Capacity	12.8939 meq		EPA 9081		
04/17	080	KNM	Sodium Absorption Ratio	0.2225 Ratio		AGRN 724		

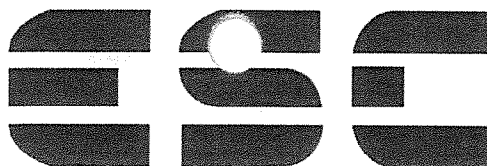
\* QA data shown is from a different sample or standard on the same date.

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.esclabs.com](http://www.esclabs.com)



Springdale, Arkansas  
479-750-1170

Carlsbad, New Mexico  
575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters							
Client: Clinton, City of (East Land App)						Permit/Project #:					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Metals (See Comments)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Nitrate Nitrogen(01.3), Phos(01.9)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Soil pH(23.S), Spec Cond(35.M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ammonia(01.1), PAN(33.AN)</div> </div>							
Address: P.O. Box 277						Purchase Order #:												
Clinton, AR 72031						Work Order #												
Phone: 501-745-4320						Sampler Name(s): <i>Hayden Kelly</i>												
Fax: Mr. Phil Graham						and Signature(s): <i>[Signature]</i>												
Contact: 501-745-2164																		
ESC Client Number: Various																		
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
East LA 40.24 PB3 (3004)	2103010415	3/19/21	1155	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA 40.24 PB30 (3003)	2103010416		1210	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA 55.57 PB10 (511)	2103010417		1115	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA 55.57 PB3 (3002)	2103010418		1125	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA 55.57 PB30 (3001)	2103010419		1140	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA Airport9 (2959)	2103010420		1250	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X					
East LA WD13 (2960)	2103010421		1320	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	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"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Comments: Hg(01.14), Mn(12.HS), K(19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS) As(33.HS), Cd(48.HS), Pb(82.HS), 00.MS						Flow Data	Field Test	Time	Analyst	Result	Result	Units						
Analyst:																		
Time:																		
Reading:																		
Units:																		
This Document is Page 1 of 1																		

BXW



# 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: 2103010411  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 04/08/21

Sample Date : 03/19/21  
Sample Time : 1100  
Sample Type : GRAB WELL  
Sample From : CLINTON WELL #13

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/23	1330	EDA	Chloride (as Cl)	9.9 mg/L			0.00	89.9 *
03/19	1100	HMK	pH	6.5 S.U.			0.00	N/A
03/30	1542	BXW	Solids, Total Dissolved	249.0 mg/L			5.41	N/A *
03/19	1100	HMK	Spec. Conductance @ 25 C	213.000 umho/c			0.00	N/A
03/22	1331	BXW	Nitrate + Nitrite	0.55 mg/L			0.80	103.0
03/19	1100	HMK	Well Depth, Total	15.33 Feet			N/A	N/A
03/19	1100	HMK	Depth to Water	9.75 Feet			N/A	N/A

\* 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.

CNA

# 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: 2103010412  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 04/08/21

Sample Date : 03/19/21  
Sample Time : 1045  
Sample Type : GRAB WELL  
Sample From : CLINON WELL #14

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/23	1330	EDA	Chloride (as Cl)	< 0.5 mg/L			0.00	89.9 *
03/19	1045	HMK	pH	5.9 S.U.			0.00	N/A *
03/30	1542	BXW	Solids, Total Dissolved	164.0 mg/L			0.60	N/A *
03/19	1045	HMK	Spec. Conductance @ 25 C	123.000 umho/c			0.00	N/A *
03/22	1331	BXW	Nitrate + Nitrite	7.73 mg/L			0.80	103.0 *
03/19	1045	HMK	Well Depth, Total	13.08 Feet			N/A	N/A
03/19	1045	HMK	Depth to Water	9.33 Feet			N/A	N/A

\* 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.

KWA

# 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: 2103010413  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 04/08/21

Sample Date : 03/19/21  
Sample Time :  
Sample Type : NO FLOW  
Sample From :

Collected By:  
Delivery By :  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
03/19		No Flow	0				N/A	N/A
* 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.

KNM

# 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: 2103010414  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 04/08/21

Sample Date : 03/19/21  
Sample Time : 1015  
Sample Type : GRAB WELL  
Sample From : CLINTON WELL #17

Collected By: HMK  
Delivery By : HMK  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/23	1330	EDA	Chloride (as Cl)	< 0.5 mg/L			0.00	89.9 *
03/19	1015	HMK	pH	5.5 S.U.			0.00	N/A *
03/30	1542	BXW	Solids, Total Dissolved	64.0 mg/L			0.60	N/A *
03/19	1015	HMK	Spec. Conductance @ 25 C	109.000 umho/c			0.00	N/A *
03/22	1331	BXW	Nitrate + Nitrite	0.84 mg/L			0.80	103.0 *
03/19	1015	HMK	Well Depth, Total	17.50 Feet			N/A	N/A
03/19	1015	HMK	Depth to Water	11.83 Feet			N/A	N/A

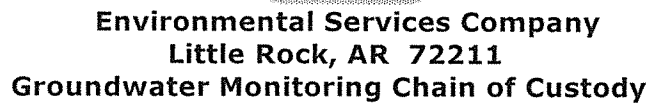
\* QA data shown is from a different sample or standard on the same date.

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.

KMK



Sampler Name(s):  
and Signature:                     

Sampler Name(s): Hayden Kelly  
and Signature: [Signature]

Sample Date: 3/19/21

[illegible]

**Relinquished by:**

Hayden Kelly

Time:

3/19/21

Received By Lab

*Emily Al*

Date: 3/19/21

Time: 150

Comments:

BXLW

# 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: 2106010566  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 06/28/21

Sample Date : 06/24/21  
Sample Time : 0850  
Sample Type : GRAB WELL WATER  
Sample From : WELL#13

Collected By: WGW  
Delivery By : WGW  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	1035	BXW	Chloride (as Cl)	4.9 mg/L			0.00	100.0 *
06/24	0855	WGW	pH	7.2 S.U.			0.00	N/A *
06/25	1020	AKA	Solids, Total Dissolved	56.7 mg/L			6.14	N/A *
06/24	0855	WGW	Spec. Conductance @ 25 C	1027.000 umho/c			0.00	N/A *
06/28	0913	EJD	Nitrate + Nitrite	1.53 mg/L			0.27	99.0 *
06/24	0855	WGW	Well Depth, Total	15.40 Feet			N/A	N/A
06/24	0855	WGW	Depth to Water	13.50 Feet			N/A	N/A

\* 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  
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: 2106010567  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 06/28/21

Sample Date : 06/24/21  
Sample Time : 0910  
Sample Type : GRAB WELL WATER  
Sample From : WELL #14

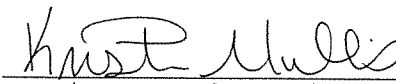
Collected By: WGW  
Delivery By : WGW  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	1035	BXW	Chloride (as Cl)	< 0.5 mg/L			0.00	100.0 *
06/24	0915	WGW	pH	7.2 S.U.			0.00	N/A *
06/25	1020	AKA	Solids, Total Dissolved	65.0 mg/L			6.14	N/A *
06/24	0915	WGW	Spec. Conductance @ 25 C	101.000 umho/c			0.00	N/A *
06/28	0913	EJD	Nitrate + Nitrite	0.75 mg/L			0.27	99.0 *
06/24	0915	WGW	Well Depth, Total	13.10 Feet			N/A	N/A
06/24	0915	WGW	Depth to Water	11.10 Feet			N/A	N/A

\* 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.

2XW

# 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: 2106010568  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 07/01/21

Sample Date : 06/24/21  
Sample Time : 0900  
Sample Type : DRY WELL  
Sample From :

Collected By: WGW  
Delivery By :  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>						% RPD	% Recovery
06/24	0900	WGW	Dry Well	1.00				N/A	N/A

\* 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  
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: 2106010569  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 06/28/21

Sample Date : 06/24/21  
Sample Time : 0830  
Sample Type : GRAB WEEL WATER  
Sample From : WELL#17

Collected By: WGW  
Delivery By : WGW  
Work Order :  
Purchase Order :

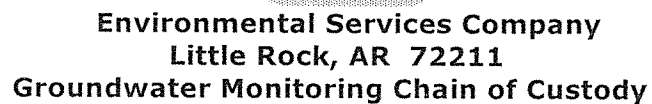
Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	1035	BXW	Chloride (as Cl)	< 0.5 mg/L			0.00	100.0 *
06/24	0835	WGW	pH	7.1 S.U.			0.00	N/A *
06/25	1020	AKA	Solids, Total Dissolved	60.0 mg/L			6.14	N/A *
06/24	0835	WGW	Spec. Conductance @ 25 C	69.200 umho/c			0.00	N/A *
06/28	0913	EJD	Nitrate + Nitrite	5.10 mg/L			0.27	99.0 *
06/24	0835	WGW	Well Depth, Total	17.60 Feet			N/A	N/A
06/24	0835	WGW	Depth to Water	12.60 Feet			N/A	N/A

\* 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.



Sampler Name(s): William Willoughby  
and Signature: William Willoughby

Sample Date: 6/24/21

Relinquished by: William Wilboughby	Time: 1333	Received By Lab: [Signature]	Date: 6/24/21	Time: 1333
-------------------------------------	------------	------------------------------	---------------	------------

Comments:

axv

# 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: 2107010261  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 07/30/21

Sample Date : 07/26/21  
Sample Time : 1410  
Sample Type : GRAB WATER  
Sample From : WELL#13

Collected By: DMP  
Delivery By : DMP  
Work Order :  
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
07/30	1410	EJD	Chloride (as Cl)	10.0 mg/L			SM 2011 4500 Cl C	18.18	101.0
07/26	1415	DMP	pH	6.3 S.U.			SM 2011 4500-H+B	0.00	N/A *
07/28	1125	AKA	Solids, Total Dissolved	106.7 mg/L			SM 2011 2540 C	3.05	N/A
07/26	1625	DMP	Spec. Conductance @ 25 C	167.000 umho/c			EPA 120.1	0.07	N/A *
07/27	1155	EJD	Nitrate + Nitrite	0.48 mg/L			HACH 10206	3.32	100.0 *
07/26	1410	DMP	Well Depth, Total	15.40 Feet				N/A	N/A
07/26	1410	DMP	Depth to Water	8.10 Feet				N/A	N/A

\* 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.esclabs.com](http://www.esclabs.com)

Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170 Fax 479-750-1172

Client Information						Project Information					Requested Parameters									
Company Name: Clinton, East GW13						Permit/Project #: AR0048836					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TDS(27.), Chloride(7.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NO2 + NO3(91.)</div> </div>									
Address: P.O. Box 277						Purchase Order #:														
Clinton, AR 72031						Work Order #														
Telephone: 501-745-4320						Sampler Name(s): DAVID PIERCE														
Contact: Mr. Phil Graham						and Signature(s): David Pierce														
FAX: 501-745-2164																				
ESC Client Number: 507																				
Sample Identification		Sample Collection				Sample Containers														
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Well #13	2107010261	07/26/21	1410	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X										
	I	I	I	Grab	Water	Plastic	1 Liter	H2SO4	1		X									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:											
									Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:											
									Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:											
David Pierce DAVID PIERCE		07/26/21	1640	Johnny B. B. B.			7/26/21	1340	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Cool all samples to ≤ 6 degrees C with ice.																				
Comments:						Flow Data	Field/Test	Time	Analyst	Result	Result	Units								
						Analyst:	pH:	1415	DMP	6.3	6.7	S.V.								
						Time:	Sp Cond:	1625	DMP	167.0	167.0	U MHOS								
						Reading:														
						Units:														
Total Depth-99.10:		15 ft 4 in																		
H2O Depth - 99.9:		8 ft 1 in																		
						Chlorinated? Y N	Fecal Start:	This Document is Page 1 of 1												

# 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: 2107010262  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 07/30/21

Sample Date : 07/26/21  
Sample Time : 1330  
Sample Type : GRAB WATER  
Sample From : WELL#14

Collected By: DMP  
Delivery By : DMP  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
07/30	1410	EJD	Chloride (as Cl)	10.0 mg/L			18.18	101.0 *
07/26	1335	DMP	pH	6.0 S.U.			0.00	N/A *
07/28	1125	AKA	Solids, Total Dissolved	80.0 mg/L			3.05	N/A *
07/26	1630	DMP	Spec. Conductance @ 25 C	103.300 umho/c			0.07	N/A *
07/27	1155	EJD	Nitrate + Nitrite	0.78 mg/L			3.32	100.0 *
07/26	1330	DMP	Well Depth, Total	13.10 Feet			N/A	N/A
07/26	1330	DMP	Depth to Water	9.45 Feet			N/A	N/A

\* 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.

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

Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170      Fax 479-750-1172

Client Information						Project Information					Requested Parameters										
Company Name: Clinton, East GW14						Permit/Project #: AR0048836					TDS(27.), Chloride(7.) NO2 + NO3(91.)										
Address: P.O. Box 277 Clinton, AR 72031						Purchase Order #:															
Telephone: 501-745-4320						Work Order #															
Contact: Mr. Todd Burgess						Sampler Name(s): DAVID PIERCE															
FAX: 501-745-2164						and Signature(s): David Pierce															
ESC Client Number: 508																					
Sample Identification			Sample Collection				Sample Containers														
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Well # 14	2107010262	07/26/21	1330	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X											
	1	1	1	Grab	Water	Plastic	1 Liter	H2SO4	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"/>												
Cool all samples to ≤ 6 degrees C with ice.				Flow Data <input checked="" type="checkbox"/>			Field Test	Time	Analyst	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Comments:				Analyst:		pH:	13.55	DNP	6.0	6.0	5.0										
				Time:		Sp Cond:	1630	DNP	103.3	103.3	UMHOS										
				Reading:																	
				Units:																	
Total Depth-99.10:		13ft 7in																			
H2O Depth - 99.9:		9ft 4.5in				Chlorinated? Y N		Fecal Start:		This Document is Page 1											

BXV

# 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: 2107010263  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 07/30/21

Sample Date : 07/26/21  
Sample Time : 1250  
Sample Type : DRY WELL  
Sample From :

Collected By: DMP  
Delivery By :  
Work Order :  
Purchase Order :

Laboratory Analysis						Quality Assurance	
Analysis						Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	% RPD	% Recovery
07/26	1250	DMP	Dry Well	0.00		N/A	N/A

\* 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.esclabs.com](http://www.esclabs.com)

Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170 Fax 479-750-1172

Client Information						Project Information					Requested Parameters									
Company Name: Clinton, East GW16						Permit/Project #: AR0048836					<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TDS(27.), Chloride(7.)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NO2 + NO3(91.)</div> </div>									
Address: P.O. Box 277						Purchase Order #:														
Clinton, AR 72031						Work Order #														
Telephone: 501-745-4320						Sampler Name(s): DAVID PIERCE														
Contact: Mr. Todd Burgess						and Signature(s): <i>David Pierce</i>														
FAX: 501-745-2164																				
ESC Client Number: 509																				
Sample Identification		Sample Collection				Sample Containers														
	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Well #16	2107010263	07/26/21		Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X										
	↓	↓		Grab	Water	Plastic	1 Liter	H2SO4	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 By: (Signature and Printed Name)		Date	Time	Turnaround: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Special <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:												
David Pierce DAVID PIERCE		07/26/21						Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Cool all samples to ≤ 6 degrees C with ice.						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
Comments: Dry well						Analyst:	pH:													
						Time:	Sp Cond:													
						Reading:														
						Units:														
Total Depth-99.10:		14ft																		
H2O Depth - 99.9:																				
						Chlorinated? Y N	Fecal Start:			This Document is Page 1 of 1										

BXLW



# 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: 2107010264  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 07/30/21

Sample Date : 07/26/21  
Sample Time : 1220  
Sample Type : GRAB WATER  
Sample From : WELL#17

Collected By: DMP  
Delivery By : DMP  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
07/30	1410	EJD	Chloride (as Cl)	10.0 mg/L			18.18	101.0 *
07/26	1225	DMP	pH	5.5 S.U.			0.00	N/A *
07/28	1125	AKA	Solids, Total Dissolved	63.3 mg/L			3.05	N/A *
07/26	1635	DMP	Spec. Conductance @ 25 C	65.200 umho/c			0.07	N/A *
07/27	1155	EJD	Nitrate + Nitrite	5.50 mg/L			3.32	100.0 *
07/26	1220	DMP	Well Depth, Total	17.60 Feet			N/A	N/A
07/26	1220	DMP	Depth to Water	11.80 Feet			N/A	N/A

\* 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.

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

Environmental Services Company, Inc.  
Northwest Branch  
1107 Century  
Springdale, AR 72764

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

## CHAIN OF CUSTODY

Phone 479-750-1170      Fax 479-750-1172

Client Information						Project Information							Requested Parameters												
Company Name:						Clinton, East GW17						Permit/Project #:							AR0048747						
Address:						P.O. Box 277 Clinton, AR 72031						Purchase Order #:													
Telephone:						501-745-4320						Work Order #													
Contact:						Mr. Todd Burgess						Sampler Name(s):							DAVID PIERCE						
FAX:						501-745-2164						and Signature(s):							David Pierce						
ESC Client Number:						649																			
Sample Identification						Sample Collection						Sample Containers						TDS(27.), Chloride(7.) NO2 + NO3(91.)							
		ESC Control #		Date	Time	Type	Matrix	Type	Volume	Preservative	#														
Well # 17		2107010264		07/26/21	1220	Grab	Water	Plastic	1 Liter	≤ 6 Deg C	1	X													
		1		1	1	Grab	Water	Plastic	1 Liter	H2SO4	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 By: (Signature and Printed Name)				Date	Time	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name) <i>David Pierce DAVID PIERCE</i>				Date 07/26/21	Time 1220	Received for Lab By: (Signature and Printed Name) <i>Bernard ...</i>				Date 7/26/21	Time 1640	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													
Cool all samples to < 6 degrees C with ice.						Flow Data		Field Test		Time	Analyst	Result	Result	Units											
Comments:						Analyst:		pH:		1225	DLP	5.5	5.5	SU											
						Time:		Sp Cond:		1635	TMP	65.2	65.2	UMHO/S											
						Reading:																			
						Units:																			
Total Depth-99.10:		17ft+6in																							
H2O Depth - 99.9:		11ft+8in																							
						Chlorinated?		Y N		Fecal Start:	This Document is Page 1 / 1														

# 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: 2112010370  
Customer Name : CLINTON, EAST GW13  
Customer/Permit No. : 507 / AR0048836 001  
Report Date : 01/04/22

Sample Date : 12/13/21  
Sample Time : 0920  
Sample Type : GRAB WELL WATER  
Sample From : #13 (507)

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :


Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
12/15	0940	DWC	Chloride (as Cl)	20.0 mg/L			SM 2011 4500 Cl C	0.00	98.0 *
12/13	0920	JGK	pH	6.1 S.U.			SM 2011 4500-H+B	0.00	N/A *
12/20	0550	NTR	Solids, Total Dissolved	180.0 mg/L			SM 2011 2540 C	2.26	N/A *
12/13	0920	JGK	Spec. Conductance @ 25 C	168.200 umho/c			EPA 120.1	0.12	N/A
12/13	0920	JGK	Temperature	9.80 °C			SM 2000 2550 B	0.00	N/A
12/13	1000	NTR	Nitrate + Nitrite	0.89 mg/L			HACH 10206	4.21	101.8 *
12/13	0920	JGK	Well Depth, Total	15.25 Feet				N/A	N/A
12/13	0920	JGK	Depth to Water	9.66 Feet				N/A	N/A

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

\* 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.

RH

## 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: 2112010371  
Customer Name : CLINTON, EAST GW14  
Customer/Permit No. : 508 / AR0048836 001  
Report Date : 01/04/22

Sample Date : 12/13/21  
Sample Time : 0910  
Sample Type : GRAB WELL WATER  
Sample From : #14 (508)

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

## Laboratory Analysis

## Quality Assurance

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/15	0940	DWC	Chloride (as Cl)	10.0 mg/L			SM 2011 4500 Cl C	0.00	98.0 *
12/13	0910	JGK	pH	5.7 S.U.			SM 2011 4500-H+B	0.00	N/A *
12/20	0550	NTR	Solids, Total Dissolved	72.0 mg/L			SM 2011 2540 C	2.26	N/A *
12/13	0910	JGK	Spec. Conductance @ 25 C	108.200 umho/c			EPA 120.1	0.12	N/A *
12/13	0910	JGK	Temperature	13.70 °C			SM 2000 2550 B	0.00	N/A *
12/13	1000	NTR	Nitrate + Nitrite	0.81 mg/L			HACH 10206	4.21	101.8 *
12/13	0910	JGK	Well Depth, Total	13.08 Feet				N/A	N/A
12/13	0910	JGK	Depth to Water	10.25 Feet				N/A	N/A

\* 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  
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: 2112010372  
Customer Name : CLINTON, EAST GW16  
Customer/Permit No. : 509 / AR0048836 001  
Report Date : 01/04/22

Sample Date : 12/13/21  
Sample Time : 0945  
Sample Type : DRY WELL  
Sample From : #16 (509)

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
12/13	0945	JGK	Dry Well	0.00			N/A	N/A
12/13	0945	JGK	Well Depth, Total	14.00 Feet			N/A	N/A
<p>* QA data shown is from a different sample or standard on the same date.</p>								

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.

*[Handwritten initials]*

# 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: 2112010373  
Customer Name : CLINTON, EAST GW17  
Customer/Permit No. : 649 / AR0048747 001  
Report Date : 01/04/22

Sample Date : 12/13/21  
Sample Time : 0900  
Sample Type : GRAB WELL WATER  
Sample From : #17 (649)

Collected By: JGK  
Delivery By : JGK  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
12/15	0940	DWC	Chloride (as Cl)	10.0 mg/L			0.00	98.0 *
12/13	0900	JGK	pH	5.1 S.U.			0.00	N/A *
12/20	0550	NTR	Solids, Total Dissolved	60.0 mg/L			2.26	N/A *
12/13	0900	JGK	Spec. Conductance @ 25 C	69.000 umho/c			0.12	N/A *
12/13	0900	JGK	Temperature	17.10 °C			0.00	N/A *
12/13	1000	NTR	Nitrate + Nitrite	5.06 mg/L			4.21	101.8 *
12/13	0900	JGK	Well Depth, Total	17.50 Feet			N/A	N/A
12/13	0900	JGK	Depth to Water	14.25 Feet			N/A	N/A

\* 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.



Sampler Name(s): J. Koverschil  
and Signature: [Signature]

Sample Date: ✓ 12/13/21

[illegible]

Relinquished by:

**Time:** 1607

Received By Lab: *Amelia* *ATBent*

Date: 12/13/21

Time: 1607

Comments:

2057