

# Clinton Water & Sewer East Plant

Annual Report  
Permit AR0048836 & 5130-WR-2  
January 2023 – December 2023



## **Environmental Services Company, Inc.**

Corporate Office

13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p)

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

Carlsbad, New Mexico

575-887-7372 (7ESC)

Albuquerque, New Mexico

888-372-3477

Springdale, Arkansas

479-750-1170

**Clinton Water and Sewer Department**  
**Clinton, AR**  
**East WWTP 5130-WR-2**  
**Irrigation Water**  
**Calendar Year 2023**

Parameter	Annual Concentration (mg/L)	2023 Application Data				Total Application Since 2003 Pounds/Acre	
		Million Gallons/Year	Number of Acres	Gallons per Acre-Year	Pounds per Acre		
CBOD	< 6.0500	0	81.00	0.0	0.000	18.547	*
Sodium Absorption Ratio	46.4776	0	81.00	0.0	0.000	395.610	*
Fecal Coliform	< 780.8000	0	81.00	0.0	0.000	879.720	*
Total Suspended Solids	19.6000	0	81.00	0.0	0.000	48.904	*
Potassium	4.6390	0	81.00	0.0	0.000	36.193	*
Total Phosphorus	1.4765	0	81.00	0.0	0.000	7.237	*
Oil & Grease	< 5.0000	0	81.00	0.0	0.000	6.221	*
Plant Available Nitrogen	3.3350	0	81.00	0.0	0.000	5.915	*
Total Solids (%)	< 0.0230	0	81.00	0.0	0.000	0.641	*
Total Kjeldahl Nitrogen	5.9500	0	81.00	0.0	0.000	882.140	
Ammonia Nitrogen	< 1.4750	0	81.00	0.0	0.000	243.413	
Nitrate + Nitrite Nitrogen	0.0000	0	81.00	0.0	0.000	164.424	
Nitrate Nitrogen	0.9690	0	81.00	0.0	0.000	2.004	*
Nitrite Nitrogen	< 0.2930	0	81.00	0.0	0.000	0.162	*
BOD-5	0.0000	0	81.00	0.0	0.000	1,489.786	
Arsenic	< 0.0921	0	81.00	0.0	0.000	0.712	
Cadmium	< 0.0046	0	81.00	0.0	0.000	0.454	
Copper	0.0289	0	81.00	0.0	0.000	0.528	
Lead	< 0.0055	0	81.00	0.0	0.000	0.087	
Mercury	< 0.0010	0	81.00	0.0	0.000	0.135	
Molybdenum	< 0.0216	0	81.00	0.0	0.000	0.029	*
Nickel	< 0.0028	0	81.00	0.0	0.000	0.012	*
Selenium	< 0.0100	0	81.00	0.0	0.000	0.973	
Zinc	0.0326	0	81.00	0.0	0.000	6.004	
Conductivity, minimum (mhos/cm)*	101.7						
Conductivity, maximum (mhos/cm)*	155.6						
pH, minimum (SU)*	8.1						
pH, maximum (SU)*	9.1						
Nitrogen Application Rate (lbs N/acre/year)	0.00						

\*Values not cumulative from 2003.

**Crop Grown: Bermuda Hay**

**Clinton Water and Sewer Department  
Clinton, AR  
East WWTP - AR0048836 / 5130-WR-2  
Soil  
Calendar Year 2023**

Sample ID	Clinton East 40.24 LA PB 3							
Control Number	2302010400							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/23/23	0.144						
Phosphorous	02/23/23	0.1077						
Potassium	02/23/23	848.42						
Cation Exchange Capacity (meq)	02/23/023	75.1135						
Conductivity (umhos/cm)	02/23/23	4.80						
Sodium Absorption Ratio	02/23/23	229.5502						
pH (SU)	02/23/23	6.28						

**Clinton Water and Sewer Department  
Clinton, AR  
East WWTP - AR0048836 / 5130-WR-2  
Soil  
Calendar Year 2023**

Sample ID	Clinton East 40.24 LA PB 30							
Control Number	2302010401							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/23/23	0.416						
Phosphorous	02/23/23	0.0531						
Potassium	02/23/23	466.81						
Cation Exchange Capacity (meq)	02/23/23	114.9495						
Conductivity (umhos/cm)	02/23/23	4.90						
Sodium Absorption Ratio	02/23/23	1.7264						
pH (SU)	02/23/23	6.07						

**Clinton Water and Sewer Department  
Clinton, AR  
East WWTP - AR0048836 / 5130-WR-2  
Soil  
Calendar Year 2023**

Sample ID	Clinton East 55.57 LA PB 10							
Control Number	2302010402							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/23/23	0.223						
Phosphorous	02/23/23	0.1125						
Potassium	02/23/23	899.27						
Cation Exchange Capacity (meq)	02/23/23	176.2602						
Conductivity (umhos/cm)	02/23/23	2.30						
Sodium Absorption Ratio	02/23/23	1.6608						
pH (SU)	02/23/23	5.93						

**Clinton Water and Sewer Department  
Clinton, AR  
East WWTP - AR0048836 / 5130-WR-2  
Soil  
Calendar Year 2023**

Sample ID	Clinton East 55.57 LA PB 3							
Control Number	2302010403							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/23/23	0.154						
Phosphorous	02/23/23	0.0685						
Potassium	02/23/23	1294.86						
Cation Exchange Capacity (meq)	02/23/23	160.7122						
Conductivity (umhos/cm)	02/23/23	3.90						
Sodium Absorption Ratio	02/23/23	1.0709						
pH (SU)	02/23/23	5.81						

**Clinton Water and Sewer Department  
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East WWTP - AR0048836 / 5130-WR-2  
Soil  
Calendar Year 2023**

Sample ID	Clinton East 55.57 LA PB 30							
Control Number	2302010404							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/23/23	0.866						
Phosphorous	02/23/23	0.1014						
Potassium	02/23/23	1227.60						
Cation Exchange Capacity (meq)	02/23/23	179.8377						
Conductivity (umhos/cm)	02/23/23	2.10						
Sodium Absorption Ratio	02/23/23	1.1862						
pH (SU)	02/23/23	5.98						

**Clinton Water and Sewer Department  
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Soil  
Calendar Year 2023**

Sample ID	Clinton East LA Airport 9							
Control Number	2302010086							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	03/09/23	0.210						
Phosphorous	03/09/23	0.2825						
Potassium	03/09/23	945.18						
Cation Exchange Capacity (meq)	03/09/23	212.2015						
Conductivity (umhos/cm)	03/09/23	28.1						
Sodium Absorption Ratio	03/09/23	0.7812						
pH (SU)	03/09/23	6.88						



**Clinton Water and Sewer Department  
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Soil  
Calendar Year 2023**

Sample ID	Clinton East LA WD 13							
Control Number	2302010469							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	03/09/23	3.67						
Phosphorous	03/09/23	2.6358						
Potassium	03/09/23	593.12						
Cation Exchange Capacity (meq)	03/09/23	225.22						
Conductivity (umhos/cm)	03/09/23	1.50						
Sodium Absorption Ratio	03/09/23	0.8935						
pH (SU)	03/09/23	6.02						

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010397  
 Customer Name : CLINTON, EAST IW  
 Customer/Permit No. : 619 / AR0048836 001  
 Report Date : 03/24/23

Sample Date : 02/23/23  
 Sample Time : 1413  
 Sample Type : GRAB WWATER  
 Sample From : IRRIGATION WATER

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

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>		
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
03/01	1607	JFT	Sodium	17.8167 mg/L		EPA1994 200.8	0.82	96.8 *
03/01	1607	JFT	Magnesium	2.0192 mg/L		EPA 200.8	0.33	98.6 *
02/28	1200	JTK	Ammonia as N, (HACH/SM)	1.29 mg/L		SM 2011 4500-NH3-G	0.00	108.0 *
03/07	1155	RRJ	Total Kjeldahl Nitrogen	3.5 mg/L		02/2014 HACH 10242	5.50	123.2
03/02	1620	RRJ	Nitrate Nitrogen	1.7000 mg/L		HACH 10206	3.23	98.2 *
03/02	1605	RRJ	Nitrite Nitrogen	0.2080 mg/L		EPA 354.1	4.71	99.6 *
03/01	1607	JFT	Potassium	4.5186 mg/L		EPA 200.8	4.08	110.3 *
03/01	1607	JFT	Calcium	5.1674 mg/L		EPA1994 200.8	0.24	113.6 *
03/14	1550	RRJ	Oil & Grease, Total	< 5.00 mg/L		EPA 1664 B	7.23	96.7 *
02/23	1418	MER	pH	8.6 S.U.		SM 2011 4500-H+B	1.26	N/A *
03/03	1200	RRJ	Phosphorus, Total (as P)	0.7930 mg/L		EPA1993 365.1	2.92	102.7 *
02/28	1200	JTK	Solids, Total Suspended	13.00 mg/L		SM 2011 2540 D	0.00	N/A *
03/01	1607	JFT	Nickel	0.00209 mg/L		EPA 200.8	1.58	99.0 *
03/01	1607	JFT	Copper	0.0443 mg/L		EPA 200.8	1.25	102.0 *
03/01	1607	JFT	Zinc	0.0211 mg/L		EPA 200.8	1.01	97.7 *
03/23	1321	JFT	Nitrogen, Plant Available	3.21 mg/kg		SM1997 4500 N		
03/01	1607	JFT	Arsenic	< 0.0100 mg/L		EPA1994 200.8	0.06	118.9 *
03/01	1607	JFT	Selenium	< 0.0100 mg/L		EPA 200.8	7.55	103.8 *
03/23	1600	RRJ	Electric Conductivity	138.20 umho/c		EPA 9050A(MOD)	0.00	100.0
03/01	1607	JFT	Molybdenum	0.0277 mg/L		EPA 200.8	1.02	97.6 *
02/23	1815	MER	Fecal Coliform	960.6 /100ml		06/2012 Colilert18	0.00	N/A *

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/01	1607	JFT	Cadmium	< 0.00500 mg/L			EPA1994 200.8	1.86	95.1 *
03/02	1600	JFT	Mercury	< 0.0010 mg/L			EPA 245.7	0.35	96.6 *
02/24	1200	JTK	BOD, Carbonaceous	7.2 mg/L			SM 2011 5210 B	0.00	100.0 *
03/02	1258	RRJ	Solids, % Total	0.006 %			SM 1997 2540 G	0.00	N/A *
03/01	1607	JFT	Lead	< 0.01000 mg/L			EPA 200.8	1.73	94.9 *
03/01	1728	JFT	Sodium Absorption Ratio	53.2257 Ratio			AGRN 724		

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

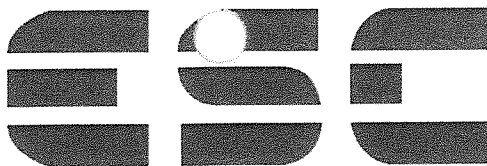
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

ACG

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 Little Rock, AR 72211 Little Rock, AR 72215  
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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						CBOD(70.), TSS(28) % Solids (82)	NO3 (18), NO2(19.)	TKN(16.C), NH3-N (15.A), Total P (25)	Metals (See Comments)	Oil & Grease (21)	(Fecal Coliform (43.IF)
Address: P.O. Box 277				Purchase Order #:											
Clinton, AR 72031				Work Order #:											
Phone: 501-745-4320				Sampler Name(s): <i>Michael R. Walker</i>											
Fax: 501-745-2164				and Signature(s): <i>Michael R. Walker</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	#						
Irrigation Water	<del>2302010397</del> 2302010397 <i>DEW</i>	2-23-23	14:13	Grab	Wwater	Plastic	1/2 Gallon	Cool ≤ 6° C	1	X	X				
				Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1			X			
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X		
				Grab	Wwater	Glass	250 ml	Cool ≤ 6° C, H2SO4 to pH <2	1					X	
				Grab	Wwater	Plastic	100 ml	Cool ≤ 6° C	1						X
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?				
<i>Michael R. Walker</i>		2-27-23	17:25	<i>Michael R. Walker</i>		2-23-23	17:21	Turnaround:		Regular	Special				
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No				
				<i>Michael R. Walker</i>		2-27-23	09:30			<input checked="" type="checkbox"/>	<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:	14:15	<i>Michael R. Walker</i>	8.6	8.5	S.U.					
Cd(48.HW), Pb(82.HW), Mo(42.HW), Ni(28.HW) 00.MD, 00.Hg				Time:	Ele. Cond.	18:20	<i>Michael R. Walker</i>	85.8	85.3	UMHOS					
K(19.HW), Na(11.HW), Mg(12.HW), Ca(20.HW), SAR(99.L), PAN				Reading:											
				Units:											
											This Document is Page 1 of 1				

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2306010410  
 Customer Name : CLINTON, EAST IW  
 Customer/Permit No. : 619 / AR0048836 001  
 Report Date : 07/10/23

Sample Date : 06/26/23  
 Sample Time : 1015  
 Sample Type : GRAB/WWATER  
 Sample From : IRRIGATION WATER

Collected By: JTH  
 Delivery By : JTH  
 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>
06/30	1235	JFT	Sodium	12.4972 mg/L			EPA1994 200.8	0.70	100.9
06/30	1235	JFT	Magnesium	1.7169 mg/L			EPA1994 200.8	0.70	102.1
07/03	1500	TMS	Ammonia as N, (HACH/SM)	1.66 mg/L			EPA1993 350.1	5.23	105.0 *
06/28	1415	JTK	Total Kjeldahl Nitrogen	8.4 mg/L			01/2013 HACH 10242	1.11	99.0 *
06/28	1400	JTK	Nitrate Nitrogen	0.2380 mg/L			HACH 10206	0.76	98.0 *
07/03	1200	JTK	Nitrite Nitrogen	0.3780 mg/L			HAC1979 85071	0.00	100.0
06/30	1235	JFT	Potassium	4.7593 mg/L			EPA1994 200.8	0.05	113.0
06/30	1235	JFT	Calcium	4.6720 mg/L			EPA1994 200.8	1.52	98.1
07/06	0800	JTK	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	0.00	102.0 *
06/26	1017	JTH	pH	9.1 S.U.			SM 2011 4500-H+B	1.34	N/A *
07/03	0930	TMS	Phosphorus, Total (as P)	2.1600 mg/L			EPA1993 365.1	0.00	104.0 *
06/29	1115	CTS	Solids, Total Suspended	26.20 mg/L			SM 2015 2540 D	0.00	N/A *
06/30	1235	JFT	Nickel	< 0.00360 mg/L			EPA1994 200.8	1.50	100.8
06/30	1235	JFT	Copper	0.0135 mg/L			EPA1994 200.8	0.08	99.5
06/30	1235	JFT	Zinc	0.0441 mg/L			EPA1994 200.8	2.91	99.8
07/05	1029	JFT	Nitrogen, Plant Available	3.46 mg/kg			SM1997 4500 N		
06/30	1235	JFT	Arsenic	< 0.1741 mg/L			EPA1994 200.8	0.44	112.6
06/30	1235	JFT	Selenium	< 0.0099 mg/L			EPA1994 200.8	0.09	95.7
06/26	1017	JTH	Electric Conductivity	155.60 umho/c			EPA 9050A(MOD)		
06/30	1235	JFT	Molybdenum	0.0154 mg/L			EPA1994 200.8	0.23	97.8
06/26	1430	JTK	Fecal Coliform	601.0 /100ml			2000 Colilert18	0.00	N/A *

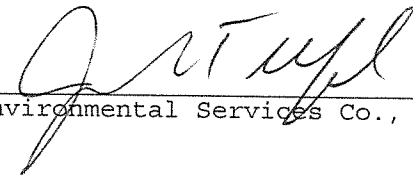
\* QA data shown is from a different sample or standard on the same date.

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>
06/30	1235	JFT	Cadmium	< 0.00410 mg/L			EPA1994 200.8	0.76	98.4
06/29	1459	JFT	Mercury	< 0.0010 mg/L			EPA2005 245.7	5.92	91.8 *
06/28	0800	JTK	BOD, Carbonaceous	4.9 mg/L			SM 2016 5210 B	0.00	105.0 *
06/30	1000	JTK	Solids, % Total	0.040 %			SM 1997 2540 G	0.00	N/A
06/30	1235	JFT	Lead	< 0.00100 mg/L			EPA1994 200.8	1.64	104.5
06/30	1235	JFT	Sodium Absorption Ratio	39.7295 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.

MR

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## CHAIN OF CUSTODY

Client Information						Project Information				Requested Parameters						
Client:		Clinton, East IW				Permit/Project #:		AR0048836		CBOD(70.), TSS(28) % Solids (82)	NO3 (18), NO2(19.)	TKN(16.C), NH3-N (15.A), Total P (25)	Metals (See Comments)	Oil & Grease (21)	(Fecal Coliform (43.IF)	
Address:		P.O. Box 277				Purchase Order #:										
		Clinton, AR 72031				Work Order #:										
Phone:		501-745-4320				Sampler Name(s):		James Holden								
Fax:		501-745-2164				and Signature(s):		James Holden								
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	2306101010	6/26/23	1015	Grab	Wwater	Plastic	1/2 Gallon	Cool ≤ 6° C	1	X	X					
				Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1			X				
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X			
				Grab	Wwater	Glass	250 ml	Cool ≤ 6° C, H2SO4 to pH <2	1					X		
				Grab	Wwater	Plastic	100 ml	Cool ≤ 6° C	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:								
James Holden / James Holden		6/26/23	1345	H. G. Ty Sox		6/26/23	1345	Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>						
								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), Mo (42.Hw), Ni (28.HW) 00.MD, 00.Hg K (19.HW), Na (11.HW), Mg (12.HW), Ca (20.HW), SAR (99.L), PAN				Analyst:		pH:	1017	JTH	9.1	9.1	S.U.			
						Time:		Ele. Cond.	↓	↓	155.6	155.7	UMHOS			
						Reading:										
						Units:										
													This Document is Page 1 of 1			

LRB

# Environmental Services Company, Inc.

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2307010227  
 Customer Name : CLINTON, EAST IW  
 Customer/Permit No. : 619 / AR0048836 001  
 Report Date : 08/02/23

Sample Date : 07/24/23  
 Sample Time : 1015  
 Sample Type : GRAB/WWATER  
 Sample From : IRRIGATION WATER

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
07/28	1247	NTR	Sodium	15.9500 mg/L			EPA1994 200.8	3.24	101.0
07/28	1247	NTR	Magnesium	1.9400 mg/L			EPA1994 200.8	2.07	103.3
07/31	0530	NTR	Ammonia as N, (HACH/SM)	1.89 mg/L			EPA1993 350.1	0.21	96.1 *
07/24	0900	JTK	Total Kjeldahl Nitrogen	6.4 mg/L			01/2013 HACH 10242	0.00	102.0 *
07/25	0430	NTR	Nitrate Nitrogen	1.9700 mg/L			HACH 10206	1.01	97.0
07/25	0410	NTR	Nitrite Nitrogen	0.2900 mg/L			HAC1979 85071	2.06	97.7
07/28	1247	NTR	Potassium	5.8900 mg/L			EPA1994 200.8	5.22	107.0
07/28	1247	NTR	Calcium	5.5100 mg/L			EPA1994 200.8	1.96	105.1
07/26	1500	JTK	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	0.00	95.0 *
07/24	1020	JGK	pH	8.1 S.U.			SM 2011 4500-H+B	0.00	N/A *
07/26	0600	NTR	Phosphorus, Total (as P)	0.9900 mg/L			EPA1993 365.1	3.14	96.1
07/31	1445	TMS	Solids, Total Suspended	34.80 mg/L			SM 2015 2540 D	0.00	N/A
07/28	1247	NTR	Nickel	< 0.04000 mg/L			EPA1994 200.8	2.30	87.0
07/28	1247	NTR	Copper	0.0290 mg/L			EPA1994 200.8	3.96	104.4
07/28	1247	NTR	Zinc	0.0330 mg/L			EPA1994 200.8	7.57	90.6
07/31	1430	NTR	Nitrogen, Plant Available	4.55 mg/kg			SM1997 4500 N		
07/28	1247	NTR	Arsenic	< 0.0170 mg/L			EPA1994 200.8	0.97	103.8
07/28	1247	NTR	Selenium	< 0.0100 mg/L			EPA1994 200.8	1.98	101.7
07/24	1020	JGK	Electric Conductivity	101.70 umho/c			EPA 9050A(MOD)		
07/28	1247	NTR	Molybdenum	< 0.0100 mg/L			EPA1994 200.8	0.94	106.9
07/24	1500	JTK	Fecal Coliform	288.0 /100ml			2000 Colilert18	0.00	N/A *

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



Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
07/28	1247	NTR	Cadmium	< 0.00400 mg/L			EPA1994 200.8	2.11	95.5
07/25	1432	JFT	Mercury	< 0.0010 mg/L			EPA2005 245.7	0.13	113.3 *
07/26	0800	JTK	BOD, Carbonaceous	< 2.0 mg/L			SM 2016 5210 B	0.00	102.0 *
07/27	1100	JTK	Solids, % Total	0.030 %			SM 1997 2540 G	0.00	N/A
07/28	1247	NTR	Lead	< 0.00100 mg/L			EPA1994 200.8	1.03	97.8
07/28	1500	NTR	Sodium Absorption Ratio	47.0657 Ratio			AGRN 724		

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

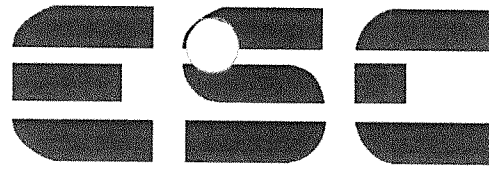
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

Signature



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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				CBOD(70.), TSS(28) % Solids (82)	NO3 (18), NO2(19)	TKN(16.C), NH3-N (15.A), Total P (25)	Metals (See Comments)	Oil & Grease (21)	(Fecal Coliform (43.IF)
Address:		P.O. Box 277				Purchase Order #:											
		Clinton, AR 72031				Work Order #											
Phone:		501-745-4320				Sampler Name(s):		J. Kwenshi									
Fax:		501-745-2164				and Signature(s):											
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	2307010227	7/24/23	1015	Grab	Wwater	Plastic	1/2 Gallon	Cool ≤ 6° C	1	X	X						
				Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1			X					
				Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X				
				Grab	Wwater	Glass	250 ml	Cool ≤ 6° C, H2SO4 to pH <2	1					X			
				Grab	Wwater	Plastic	100 ml	Cool ≤ 6° C	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	Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>							
		Date	Time	Jackson K		7/21/23	1445	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:	10.20	PLM	8.1	8.1	S.U.					
Cd(48.HW), Pb(82.HW), Mo (42.Hw), Ni (28.HW) 00.MD, 00.Hg						Time:	Ele. Cond.	10.20	PLM	16.7	16.8	UMHOS					
K (19.HW), Na (11.HW), Mg (12.HW), Ca (20.HW), SAR (99.L), PAN						Reading:											
						Units:											
												This Document is Page 1 of 1					

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
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Control Number: 2310010175  
 Customer Name : CLINTON, EAST IW  
 Customer/Permit No. : 619 / AR0048836 001  
 Report Date : 10/24/23

Sample Date : 10/16/23  
 Sample Time : 1040  
 Sample Type : GRAB/WWATER  
 Sample From : IRRIGATION WATER

Collected By: JTH  
 Delivery By : JTH  
 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>
10/20	1213	JFT	Sodium	17.4547 mg/L			EPA1994 200.8	0.39	110.5 *
10/20	1213	JFT	Magnesium	2.0186 mg/L			EPA1994 200.8	0.34	102.7 *
10/16	1500	TMS	Ammonia as N, (HACH/SM)	0.089 mg/L			EPA1993 350.1	0.49	101.0 *
10/18	1100	JTK	Total Kjeldahl Nitrogen	5.700 mg/L			01/2013 HACH 10242	1.74	102.0
10/17	1100	JTK	Nitrate Nitrogen	1.0200 mg/L			HACH 10206	8.45	102.0
10/17	1100	JTK	Nitrite Nitrogen	0.0280 mg/L			HAC1979 85071	8.45	102.0
10/20	1213	JFT	Potassium	5.9518 mg/L			EPA1994 200.8	0.90	120.3 *
10/20	1213	JFT	Calcium	4.7139 mg/L			EPA1994 200.8	0.64	124.6 *
10/17	0930	TMS	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	0.00	85.0
10/16	1042	JTH	pH	8.8 S.U.			SM 2011 4500-H+B	0.00	N/A
10/17	1100	JTK	Phosphorus, Total (as P)	1.9400 mg/L			EPA1993 365.1	2.30	104.0
10/18	1500	TMS	Solids, Total Suspended	5.90 mg/L			SM 2015 2540 D	1.83	N/A *
10/20	1213	JFT	Nickel	0.00875 mg/L			EPA1994 200.8	1.21	98.2 *
10/20	1213	JFT	Copper	0.0111 mg/L			EPA1994 200.8	0.87	97.0 *
10/20	1213	JFT	Zinc	0.0306 mg/L			EPA1994 200.8	1.83	102.5 *
10/23	0948	JFT	Nitrogen, Plant Available	2.82 mg/kg			SM1997 4500 N		
10/20	1213	JFT	Arsenic	< 0.1741 mg/L			EPA1994 200.8	1.93	107.9 *
10/20	1213	JFT	Selenium	< 0.0099 mg/L			EPA1994 200.8	15.16	96.4 *
10/16	1352	TMS	Electric Conductivity	151.70 umho/c			EPA 9050A(MOD)	0.20	99.8
10/20	1213	JFT	Molybdenum	< 0.0327 mg/L			EPA1994 200.8	0.34	94.1 *
10/16	1500	JTK	Fecal Coliform	< 1.0 /100ml			2000 Colilert18	0.00	N/A *

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
10/20	1213	JFT	Cadmium	< 0.00410 mg/L			EPA1994 200.8	0.93	98.9 *
10/17	1722	JFT	Mercury	< 0.0010 mg/L			EPA2005 245.7	0.00	101.8
10/18	0800	TMS	BOD, Carbonaceous	4.3 mg/L			SM 2016 5210 B	0.00	86.8 *
10/20	1030	TMS	Solids, % Total	0.018 %			SM 1997 2540 G	0.15	N/A *
10/20	1213	JFT	Lead	< 0.00100 mg/L			EPA1994 200.8	1.38	97.2 *
10/23	0945	JFT	Sodium Absorption Ratio	53.5974 Ratio			AGRN 724		

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

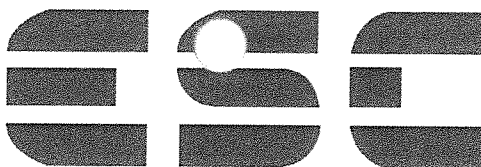
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

NR

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 Corporate Office  
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 Little Rock, AR 72211 Little Rock, AR 72215  
 website: www.esclabs.com



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 479-750-1170  
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 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				CBOD(70.), TSS(28) % Solids (82) NO3 (18), NO2(19.) TKN(16.C), NH3-N (15.A), Total P (25) Metals (See Comments) Oil & Grease (21) (Fecal Coliform (43.IF) Elec cond (35.R)						
Address:		P.O. Box 277 Clinton, AR 72031				Purchase Order #:												
Phone:		501-745-4320				Work Order #:												
Fax:		501-745-2164				Sampler Name(s):		James Halden										
Contact:		Mr. Phil Graham				and Signature(s):		James Halden										
ESC Client Number:		619																
Sample Identification			Sample Collection			Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
Irrigation Water	2310E10175	10/16/23	1040	Grab	Wwater	Plastic	1/2 Gallon	Cool ≤ 6° C	1	X	X							
	I	I	I	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1			X						
	I	I	I	Grab	Wwater	Plastic	8 oz	HNO3 to pH <2	1				X					
	I	I	I	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C, H2SO4 to pH <2	1					X				
	I	I	I	Grab	Wwater	Plastic	100 ml	Cool ≤ 6° C	1						X			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special							
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No							
James Halden / James Halden		10/16/23	1352	Ty Soy		10-16-23	1352			X								
Comments:				Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)	Analyst:	N/A	pH:	1042	JTH	8.8	88.	S.U.						
				Cd(48.HW), Pb(82.HW), Mo (42.Hw), Ni (28.HW) 00.MD, 00.Hg	Time:	N/A	Ele. Cond.	1	JTH	151.1	152.0	U MHOS						
				K (19.HW), Na (11.HW), Mg (12.HW), Ca (20.HW), SAR (99.L), PAN	Reading:	JTH												
					Units:	10/16/23												
										This Document is Page 1 of 1								

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Control Number: 2302010086  
 Customer Name : CLINTON, EAST LA AIRPORT9  
 Customer Number : 2959  
 Report Date : 01/25/24

Sample Date : 03/09/23  
 Sample Time : 1131  
 Sample Type : GRAB/SOIL  
 Sample From : EAST LA PB AIRPORT 9

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>	<u>% RPD</u>
03/13	1200	RRJ	Ammonia Nitrogen	0.0211 mg/kg		SM 1997 4500-NH3 C	4.40	99.7 *
03/20	1338	JFT	Mercury	< 0.1130 mg/Kg		SW846 7474 02/07	3.48	120.2 *
03/24	0935	RRJ	Kjeldahl Nitrogen Total	2.27 mg/kg		SM 1997 4500-NorgB	1.03	88.1
03/24	1005	RRJ	Nitrate Nitrogen	0.210 mg/kg		SM 2000 4500-NO3 E	6.68	105.0
03/22	1105	RRJ	Nitrite Nitrogen	0.022 mg/kg		EPA 354.1	11.07	97.4
03/16	1100	RRJ	Phosphorous, Total (as P)	0.2825 mg/kg		EPA 365.3	1.74	112.8
03/22	1447	JFT	Sodium	63.23 mg/Kg		SW-846 6020A	2.60	93.3 *
03/22	1447	JFT	Magnesium	820.13 mg/Kg		SW-846 6020A	6.13	97.3 *
03/22	1447	JFT	Aluminum, total	7299.91 mg/Kg		SW-846 6020A	0.84	95.4 *
03/22	1447	JFT	Potassium	945.18 mg/Kg		SW-846 6020A	6.10	90.2 *
03/22	1447	JFT	Calcium	2996.96 mg/Kg		SW-846 6020A	4.47	106.2 *
03/14	1000	RRJ	pH Soil	6.88 S.U.		SW846 9045C	0.00	N/A
03/22	1447	JFT	Iron	19274.36 mg/KG		SW-846 6020A	5.04	106.2 *
03/22	1447	JFT	Nickel	19.508 mg/Kg		SW-846 6020A	0.06	101.4 *
03/22	1447	JFT	Copper	19.742 mg/Kg		SW-846 6020A	1.12	96.1 *
03/22	1447	JFT	Zinc	65.393 mg/Kg		SW-846 6020A	0.53	102.7 *
03/27	0953	JFT	Nitrogen, Plant Available	0.91 mg/kg		SM1997 4500 N		
03/22	1447	JFT	Arsenic	8.943 mg/Kg		SW-846 6020A	0.30	116.4 *
03/14	1000	RRJ	Specific Conductance	28.1000 umhos		EPA (MOD)9050A	1.76	N/A
03/22	1447	JFT	Molybdenum	24.211 mg/Kg		SW-846 6020A	0.41	103.2 *
03/22	1447	JFT	Cadmium	< 0.114 mg/Kg		SW-846 6020A	1.09	108.0 *

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>				<u>% RPD</u>	<u>% Recovery</u>
03/14	0945	RRJ	Solids, % Total	75.057 %		SM 1997 2540 G	0.00	N/A
03/22	1447	JFT	Lead	15.939 mg/Kg		SW-846 6020A	0.28	96.0 *
03/22	2145	JFT	Cation Exchange Capacity	212.2015 meq		EPA 9081		
03/22	2145	JFT	Sodium Absorption Ratio	0.7812 Ratio		AGRN 724		

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

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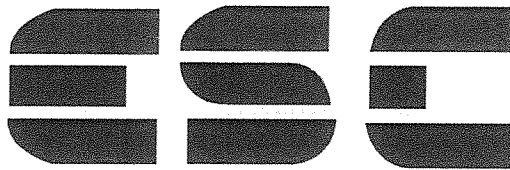
Signature



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## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters									
Client:		Clinton, City of (East Land App)				Permit/Project #:					Metals (See Comments)	Soil pH (23.1), Phosphorus (01.9)	Elec. Cond(35.R), NO3 (01.3), TKN 01.2	NO2 (01.4), % Solids (82), PAN (33.AN)						
Address:		P.O. Box 277 Clinton, AR 72031				Purchase Order #:														
Phone:		501-745-4320				Work Order #:														
Fax:		501-745-2164				Sampler Name(s):		Ned Ryerson												
Contact:		Mr. Phil Graham				and Signature(s):		[Signature]												
ESC Client Number:		2959																		
Sample Identification			Sample Collection			Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
East LA PB Airport 9	2302070686	3-9-23	1131	Grab	Soil	Glass	4 oz	≤ 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:	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>									
All samples cooled to ≤ 6 deg C with ice.				Flow Data		Field Test		Time	Analyst	Result	Result	Units								
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS) As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS) Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F) 00.MS, 00.HS						Analyst:														
						Time:														
						Reading:														
						Units:														
						Chlorinated? Y N		Fecal Start:		This Document is Page 1 of 1										

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010400  
 Customer Name : CLINTON, EAST 40.24 LA PB 3  
 Customer Number : 3004  
 Report Date : 03/27/23

Sample Date : 02/23/23  
 Sample Time : 1315  
 Sample Type : GRAB SOIL  
 Sample From : 40.24 LA PB 3

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/13	1150	RRJ	Ammonia Nitrogen	0.0180 mg/kg			SM 1997 4500-NH3 C	2.38	99.7 *
03/08	1200	JFT	Mercury	< 0.1000 mg/Kg			SW846 7474 02/07	0.63	120.2
03/24	0935	RRJ	Kjeldahl Nitrogen Total	1.87 mg/kg			SM 1997 4500-NorgB	1.03	88.1 *
03/24	1005	RRJ	Nitrate Nitrogen	0.144 mg/kg			SM 2000 4500-NO3 E	6.68	105.0 *
03/22	1100	RRJ	Phosphorous, Total (as P)	0.1077 mg/kg			EPA 365.3	1.74	112.8
03/02	1900	JFT	Sodium	100.10 mg/Kg			SW-846 6020A	2.78	105.3 *
03/02	1900	JFT	Magnesium	518.14 mg/Kg			SW-846 6020A	5.51	106.0 *
03/02	1900	JFT	Aluminum, total	4476.65 mg/Kg			SW-846 6020A	2.83	106.8 *
03/02	1900	JFT	Potassium	848.42 mg/Kg			SW-846 6020A	4.75	107.3 *
03/02	1900	JFT	Calcium	411.99 mg/Kg			SW-846 6020A	3.46	104.4 *
03/14	1000	RRJ	pH Soil	6.28 S.U.			SW846 9045C	0.00	100.0 *
03/02	1900	JFT	Iron	12033.18 mg/KG			SW-846 6020A	0.31	102.7 *
03/02	1900	JFT	Nickel	14.761 mg/Kg			SW-846 6020A	1.76	99.2 *
03/02	1900	JFT	Copper	10.137 mg/Kg			SW-846 6020A	2.40	102.7 *
03/02	1900	JFT	Zinc	39.094 mg/Kg			SW-846 6020A	1.20	102.8 *
03/27	0955	JFT	Nitrogen, Plant Available	0.70 mg/kg			SM1997 4500 N		
03/02	1900	JFT	Arsenic	6.374 mg/Kg			SW-846 6020A	1.18	102.1 *
03/02	1900	JFT	Selenium	17.491 mg/Kg			SW-846 6020A	11.61	107.8 *
03/16	0915	RRJ	Electric Conductivity	4.80 umho/c			EPA 9050A(MOD)	0.00	100.0
03/02	1900	JFT	Molybdenum	18.900 mg/Kg			SW-846 6020A	0.07	102.2 *
03/02	1900	JFT	Cadmium	< 0.114 mg/Kg			SW-846 6020A	0.15	99.6 *

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/02	1258	RRJ	Solids, % Total	89.482 %			SM 1997 2540 G	0.00	N/A *
03/02	1900	JFT	Lead	7.122 mg/Kg			SW-846 6020A	0.56	98.0 *
03/03	0641	JFT	Cation Exchange Capacity	75.1135 meq			EPA 9081		
03/03	0641	JFT	Sodium Absorption Ratio	229.5502 Ratio			AGRN 724		

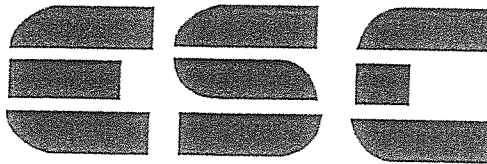
\* QA data shown is from a different sample or standard on the same date.

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.

ACG

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, City of (East Land App)				Permit/Project #:							Metals (See Comments)	Soil pH (23.1), Phosphorus (01.9)	Elec. Cond(35.R), NO3 (01.3), TKN 01.2	NO2 (01.4), % Solids (82), PAN (33.AN)												
Address: P.O. Box 277				Purchase Order #:																						
Clinton, AR 72031				Work Order #:																						
Phone: 501-745-4320				Sampler Name(s): <i>METRO Preceptor</i>																						
Fax: 501-745-2164				and Signature(s): <i>METRO Preceptor</i>																						
Contact: Mr. Phil Graham				ESC Client Number: 3004																						
Sample Identification		Sample Collection				Sample Containers																				
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#																	
40.24 LA PB 3	23 0201040	2-23-23	<del>17:25</del> SBW 13:15	Grab	Soil	Glass	4 oz	≤ 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:																		
<i>METRO Preceptor / Mercedes Nottelndorf</i>		2-22-23	17:25	<i>Secure Walker &amp; Coiler</i>		2-22-23	17:25	Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>																		
<i>Secure Walker &amp; Coiler</i>		2/24/23	0830	<i>John Telford</i>		2/24/23	0830	Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>																		
All samples cooled to ≤ 6 deg C with ice.				Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																		
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS)		Flow Data		Field Test		Time	Analyst	Result		Result		Units														
As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS)																										
Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F)																										
00.MS, 00.HS																										
						Chlorinated? Y N	Fecal Start:																			
															This Document is Page <u>1</u> of <u>1</u>											

# Environmental Services Company, Inc.

Corporate Office  
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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010401  
 Customer Name : CLINTON, EAST 40.24 LA PB 30  
 Customer Number : 3003  
 Report Date : 03/27/23

Sample Date : 02/23/23  
 Sample Time : 1315  
 Sample Type : GRAB SOIL  
 Sample From : 40.24 LA PB 30

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/13	1150	RRJ	Ammonia Nitrogen	0.0210 mg/kg			SM 1997 4500-NH3 C	2.38	99.7 *
03/08	1200	JFT	Mercury	< 0.1140 mg/Kg			SW846 7474 02/07	0.63	120.2 *
03/24	0935	RRJ	Kjeldahl Nitrogen Total	3.48 mg/kg			SM 1997 4500-NorgB	1.03	88.1 *
03/24	1005	RRJ	Nitrate Nitrogen	0.416 mg/kg			SM 2000 4500-NO3 E	6.68	105.0 *
03/22	1100	RRJ	Phosphorous, Total (as P)	0.0531 mg/kg			EPA 365.3	1.74	112.8 *
03/02	1900	JFT	Sodium	63.38 mg/Kg			SW-846 6020A	2.78	105.3 *
03/02	1900	JFT	Magnesium	530.71 mg/Kg			SW-846 6020A	5.51	106.0 *
03/02	1900	JFT	Aluminum, total	5215.54 mg/Kg			SW-846 6020A	2.83	106.8 *
03/02	1900	JFT	Potassium	466.81 mg/Kg			SW-846 6020A	4.75	107.3 *
03/02	1900	JFT	Calcium	538.56 mg/Kg			SW-846 6020A	3.46	104.4 *
03/14	1000	RRJ	pH Soil	6.07 S.U.			SW846 9045C	0.00	100.0 *
03/02	1900	JFT	Iron	12928.01 mg/KG			SW-846 6020A	0.31	102.7 *
03/02	1900	JFT	Nickel	14.513 mg/Kg			SW-846 6020A	1.76	99.2 *
03/02	1900	JFT	Copper	8.362 mg/Kg			SW-846 6020A	2.40	102.7 *
03/02	1900	JFT	Zinc	37.788 mg/Kg			SW-846 6020A	1.20	102.8 *
03/27	0956	JFT	Nitrogen, Plant Available	1.46 mg/kg			SM1997 4500 N		
03/02	1900	JFT	Arsenic	5.718 mg/Kg			SW-846 6020A	1.18	102.1 *
03/02	1900	JFT	Selenium	< 0.072 mg/Kg			SW-846 6020A	11.61	107.8 *
03/16	0915	RRJ	Electric Conductivity	4.90 umho/c			EPA 9050A(MOD)	0.00	100.0 *
03/02	1900	JFT	Molybdenum	11.847 mg/Kg			SW-846 6020A	0.07	102.2 *
03/02	1900	JFT	Cadmium	< 0.072 mg/Kg			SW-846 6020A	1.71	99.8 *

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/02	1258	RRJ	Solids, % Total	85.268 %			SM 1997 2540 G	0.00	N/A *
03/02	1900	JFT	Lead	8.631 mg/Kg			SW-846 6020A	0.56	98.0 *
03/03	0708	JFT	Cation Exchange Capacity	114.9495 meq			EPA 9081		
03/03	0708	JFT	Sodium Absorption Ratio	1.7264 Ratio			AGRN 724		

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

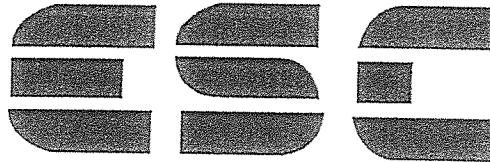
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

JFT

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 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, City of (East Land App)		Permit/Project #:		Purchase Order #:		Work Order #:		Metals (See Comments) Soil pH (23.1), Phosphorus (01.9) Elec. Cond(35.R), NO3 (01.3), TKN (01.2) NO2 (01.4), % Solids (82), PAN (33.AN)					
Address: P.O. Box 277		Clinton, AR 72031		Sampler Name(s): <i>Mr. Phil Graham</i>		and Signature(s): <i>Mr. Phil Graham</i>							
Phone: 501-745-4320		Fax: 501-745-2164											
Contact: Mr. Phil Graham		ESC Client Number: 3003											
Sample Identification		Sample Collection				Sample Containers							
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#				
40.24 LA PB 30	2302010401	2-23-23	13:15	Grab	Soil	Glass	4 oz	≤ 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:					
<i>Mr. Phil Graham / Mr. Phil Graham</i>		2-23-23	17:25	<i>SECURITY MAIL - IN COOLER</i>		2-23-23	17:25	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:					
<i>Secure walk-in cooler</i>		2/24/23	0830	<i>John P. Ford</i>		2/24/23	0830	Regular <input checked="" type="checkbox"/>	Special <input type="checkbox"/>		Were samples properly preserved:		
All samples cooled to ≤ 6 deg C with ice.								Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>				
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS)		Analyst:		Field Test		Time		Analyst		Result		Units	
As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS)		Time:											
Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F)		Reading:											
00.MS, 00.HS		Units:											
		Chlorinated? Y N		Fecal Start:						This Document is Page <u>1</u> of <u>1</u>			

# Environmental Services Company, Inc.

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010402  
 Customer Name : CLINTON, EAST 55.57 LA PB 10  
 Customer/Permit No. : 511 / AR0048836 001  
 Report Date : 03/27/23

Sample Date : 02/23/23  
 Sample Time : 1300  
 Sample Type : GRAB SOIL  
 Sample From : 55.57 LA PB 10

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

Laboratory Analysis							Quality Assurance	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
03/13	1150	RRJ	Ammonia Nitrogen	0.0220 mg/kg		SM 1997 4500-NH3 C	2.38	99.7 *
03/08	1200	JFT	Mercury	< 0.0850 mg/Kg		SW846 7474 02/07	0.63	120.2 *
03/24	0935	RRJ	Kjeldahl Nitrogen Total	4.65 mg/kg		SM 1997 4500-NorgB	1.03	88.1 *
03/24	1005	RRJ	Nitrate Nitrogen	0.223 mg/kg		SM 2000 4500-NO3 E	6.68	105.0 *
03/22	1100	RRJ	Phosphorous, Total (as P)	0.1125 mg/kg		EPA 365.3	1.74	112.8 *
03/02	1900	JFT	Sodium	78.24 mg/Kg		SW-846 6020A	0.90	107.9
03/02	1900	JFT	Magnesium	865.09 mg/Kg		SW-846 6020A	2.55	106.9
03/02	1900	JFT	Aluminum, total	8306.53 mg/Kg		SW-846 6020A	2.83	106.8
03/02	1900	JFT	Potassium	899.27 mg/Kg		SW-846 6020A	4.75	107.3 *
03/02	1900	JFT	Calcium	782.70 mg/Kg		SW-846 6020A	3.46	104.4 *
03/14	1000	RRJ	pH Soil	5.93 S.U.		SW846 9045C	0.00	N/A *
03/02	1900	JFT	Iron	20144.09 mg/KG		SW-846 6020A	0.31	102.7
03/02	1900	JFT	Nickel	21.886 mg/Kg		SW-846 6020A	1.76	99.2 *
03/02	1900	JFT	Copper	11.740 mg/Kg		SW-846 6020A	2.40	102.7 *
03/02	1900	JFT	Zinc	60.719 mg/Kg		SW-846 6020A	1.20	102.8 *
03/27	0957	JFT	Nitrogen, Plant Available	1.62 mg/kg		SM1997 4500 N		
03/02	1900	JFT	Arsenic	9.102 mg/Kg		SW-846 6020A	1.18	102.1 *
03/02	1900	JFT	Selenium	< 0.076 mg/Kg		SW-846 6020A	11.61	107.8 *
03/16	0915	RRJ	Electric Conductivity	2.30 umho/c		EPA 9050A (MOD)	0.00	100.0 *
03/02	1900	JFT	Molybdenum	12.756 mg/Kg		SW-846 6020A	0.07	102.2 *
03/02	1900	JFT	Cadmium	< 0.076 mg/Kg		SW-846 6020A	1.71	99.8 *

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


Customer Name : CLINTON, EAST 55.57 LA PB 10  
Control Number: 2302010402

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/02	1258	RRJ	Solids, % Total	84.992 %			SM 1997 2540 G	0.00	N/A *
03/02	1900	JFT	Lead	12.866 mg/Kg			SW-846 6020A	0.56	98.0 *
03/03	0600	JFT	Cation Exchange Capacity	176.2602 meq			EPA 9081		
03/03	0600	JFT	Sodium Absorption Ratio	1.6608 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.

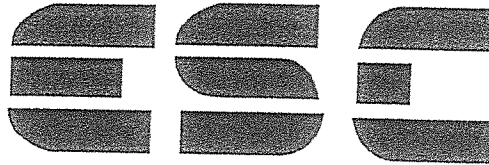
Signature

  
Environmental Services Co., Inc.

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Springdale, Arkansas  
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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 #:						Metals (See Comments) Soil pH (23.1), Phosphorus (01.9) Elec. Cond(35.R), NO3 (01.3), TRN(01.2) NO2 (01.4), % Solids (82), PAN (33.AN)							
Address:		P.O. Box 277				Purchase Order #:													
		Clinton, AR 72031				Work Order #:													
Phone:		501-745-4320				Sampler Name(s):		<i>Austin Cooper</i>											
Fax:		501-745-2164				and Signature(s):		<i>Austin Cooper</i>											
Contact:		Mr. Phil Graham																	
ESC Client Number:		511																	
Sample Identification			Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
55.57 LA PB 10	2302010402	2-23-23	13:00	Grab	Soil	Glass	4 oz	≤ 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?	Intact?										
<i>Austin Cooper / Austin Cooper</i>		2-23-22	17:25	<i>Secure walk-in cooler</i>		2-23-23	17:25	<input checked="" type="checkbox"/>	<input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Regular	Special										
<i>Secure walk-in cooler</i>		2/24/23	0830	<i>John Tolles</i>		2/24/23	0830	<input checked="" type="checkbox"/>	<input type="checkbox"/>										
All samples cooled to ≤ 6 deg C with ice.										Were samples properly preserved:									
										Yes	No								
										<input checked="" type="checkbox"/>	<input type="checkbox"/>								
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS) As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS) Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F) 00.MS, 00.HS						Flow Data	Field Test	Time	Analyst	Result	Result	Units							
						Analyst:													
						Time:													
						Reading:													
						Units:													
						Chlorinated? Y N	Fecal Start:												
												This Document is Page <u>1</u> of <u>1</u>							

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*DBW*  
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# Environmental Services Company, Inc.

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010403  
 Customer Name : CLINTON, EAST 55.57 LA PB 3  
 Customer Number : 3002  
 Report Date : 03/27/23

Sample Date : 02/23/23  
 Sample Time : 1340  
 Sample Type : GRAB SOIL  
 Sample From : 55.57 LA PB 3

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>	<u>% RPD</u>
03/13	1150	RRJ	Ammonia Nitrogen	0.0230 mg/kg		SM 1997 4500-NH3 C	2.38	99.7 *
03/08	1200	JFT	Mercury	< 0.1010 mg/Kg		SW846 7474 02/07	0.63	120.2 *
03/24	0935	RRJ	Kjeldahl Nitrogen Total	2.10 mg/kg		SM 1997 4500-NorgB	1.03	88.1 *
03/24	1005	RRJ	Nitrate Nitrogen	0.154 mg/kg		SM 2000 4500-NO3 E	6.68	105.0 *
03/22	1100	RRJ	Phosphorous, Total (as P)	0.0685 mg/kg		EPA 365.3	1.74	112.8 *
03/02	1900	JFT	Sodium	66.82 mg/Kg		SW-846 6020A	0.90	107.9 *
03/02	1900	JFT	Magnesium	1019.49 mg/Kg		SW-846 6020A	2.55	106.9 *
03/02	1900	JFT	Aluminum, total	9819.03 mg/Kg		SW-846 6020A	2.83	106.8 *
03/02	1900	JFT	Potassium	1294.86 mg/Kg		SW-846 6020A	3.43	109.2 *
03/02	1900	JFT	Calcium	1077.56 mg/Kg		SW-846 6020A	3.46	104.4 *
03/14	1000	RRJ	pH Soil	5.81 S.U.		SW846 9045C	0.00	N/A *
03/02	1900	JFT	Iron	23433.52 mg/KG		SW-846 6020A	0.31	102.7 *
03/02	1900	JFT	Nickel	32.627 mg/Kg		SW-846 6020A	3.29	107.0 *
03/02	1900	JFT	Copper	14.857 mg/Kg		SW-846 6020A	2.40	102.7 *
03/02	1900	JFT	Zinc	78.217 mg/Kg		SW-846 6020A	1.20	102.8 *
03/27	0958	JFT	Nitrogen, Plant Available	0.78 mg/kg		SM1997 4500 N		
03/02	1900	JFT	Arsenic	10.809 mg/Kg		SW-846 6020A	1.18	102.1 *
03/02	1900	JFT	Selenium	< 0.107 mg/Kg		SW-846 6020A	11.61	107.8 *
03/16	0915	RRJ	Electric Conductivity	3.90 umho/c		EPA 9050A(MOD)	0.00	100.0 *
03/02	1900	JFT	Molybdenum	17.473 mg/Kg		SW-846 6020A	0.07	102.2 *
03/02	1900	JFT	Cadmium	< 0.107 mg/Kg		SW-846 6020A	1.71	99.8 *

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

Customer Name : CLINTON, EAST 55.57 LA PB 3  
 Control Number: 2302010403

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/02	1258	RRJ	Solids, % Total	83.318 %			SM 1997 2540 G	0.00	N/A *
03/02	1900	JFT	Lead	17.171 mg/Kg			SW-846 6020A	0.56	98.0 *
03/03	0735	JFT	Cation Exchange Capacity	160.7122 meq			EPA 9081		
03/03	0735	JFT	Sodium Absorption Ratio	1.0709 Ratio			AGRN 724		

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

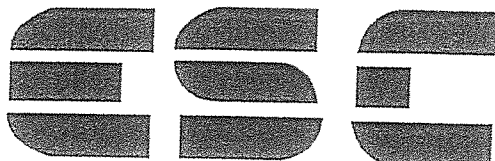
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

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 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, City of (East Land App)				Permit/Project #:					Metals (See Comments) Soil pH (23.1), Phosphorus (01.9) Elec. Cond(85.R), NO3 (01.3), TKN (01.2) NO2 (01.4), % Solids (82), PAN (33-AN)								
Address:		P.O. Box 277				Purchase Order #:													
		Clinton, AR 72031				Work Order #:													
Phone:		501-745-4320				Sampler Name(s):													
Fax:		501-745-2164				and Signature(s):													
Contact:		Mr. Phil Graham																	
ESC Client Number:		3002																	
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
55.57 LA PB 3	2782010402	2-23-23	13:40	Grab	Soil	Glass	4 oz	≤ 6 °C	1	X	X	X	X						
			13:40																
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?	Intact?										
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 for Lab By: (Signature and Printed Name)		Date	Time	Regular	Special										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:											
All samples cooled to ≤ 6 deg C with ice.								Yes	No										
Comments:		Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS)		Analyst:		Flow Data		Field Test		Time		Analyst		Result		Result		Units	
		As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS)		Time:															
		Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F)		Reading:															
		00.MS, 00.HS		Units:															
				Chlorinated?		Y N		Fecal Start:											
														This Document is Page <u>  </u> of <u>  </u>					

*[Handwritten Signature]*

# Environmental Services Company, Inc.

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010404

Sample Date : 02/23/23

Collected By: MER

Customer Name : CLINTON, EAST 55.57 LA PB 30

Sample Time : 1344

Delivery By : MER

Customer Number : 3001

Sample Type : GRAB SOIL

Work Order :

Report Date : 03/27/23

Sample From : 55.57 LA PB 30

Purchase Order :

## Laboratory Analysis

## Quality Assurance

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/13	1150	RRJ	Ammonia Nitrogen	0.0270 mg/kg			SM 1997 4500-NH3 C	2.38	99.7 *
03/08	1200	JFT	Mercury	< 0.1060 mg/Kg			SW846 7474 02/07	0.63	120.2 *
03/24	0935	RRJ	Kjeldahl Nitrogen Total	6.45 mg/kg			SM 1997 4500-NorgB	1.03	88.1 *
03/24	1005	RRJ	Nitrate Nitrogen	0.866 mg/kg			SM 2000 4500-NO3 E	6.68	105.0 *
03/22	1100	RRJ	Phosphorous, Total (as P)	0.1014 mg/kg			EPA 365.3	1.74	112.8 *
03/02	1900	JFT	Sodium	66.98 mg/Kg			SW-846 6020A	0.90	107.9 *
03/02	1900	JFT	Magnesium	959.44 mg/Kg			SW-846 6020A	2.55	106.9 *
03/02	1900	JFT	Aluminum, total	9871.33 mg/Kg			SW-846 6020A	2.83	106.8 *
03/02	1900	JFT	Potassium	1227.60 mg/Kg			SW-846 6020A	3.43	109.2 *
03/02	1900	JFT	Calcium	1061.53 mg/Kg			SW-846 6020A	3.46	104.4 *
03/14	1000	RRJ	pH Soil	5.98 S.U.			SW846 9045C	0.00	100.0 *
03/02	1900	JFT	Iron	24632.41 mg/KG			SW-846 6020A	0.31	102.7 *
03/02	1900	JFT	Nickel	27.231 mg/Kg			SW-846 6020A	3.29	107.0 *
03/02	1900	JFT	Copper	14.764 mg/Kg			SW-846 6020A	3.50	105.7 *
03/02	1900	JFT	Zinc	59.502 mg/Kg			SW-846 6020A	1.20	102.8 *
03/27	0959	JFT	Nitrogen, Plant Available	2.80 mg/kg			SM1997 4500 N		
03/02	1900	JFT	Arsenic	10.877 mg/Kg			SW-846 6020A	1.96	99.6 *
03/02	1900	JFT	Selenium	6.986 mg/Kg			SW-846 6020A	11.61	107.8 *
03/16	0915	RRJ	Electric Conductivity	2.10 umho/c			EPA 9050A(MOD)	0.00	100.0 *
03/02	1900	JFT	Molybdenum	14.977 mg/Kg			SW-846 6020A	0.07	102.2 *
03/02	1900	JFT	Cadmium	< 0.091 mg/Kg			SW-846 6020A	1.71	99.8 *

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/02	1258	RRJ	Solids, % Total	82.059 %			SM 1997 2540 G	0.00	N/A *
03/02	1900	JFT	Lead	17.521 mg/Kg			SW-846 6020A	2.06	94.5 *
03/03	0721	JFT	Cation Exchange Capacity	179.8377 meq			EPA 9081		
03/03	0721	JFT	Sodium Absorption Ratio	1.1862 Ratio			AGRN 724		

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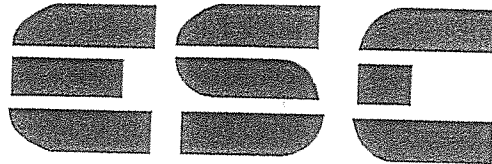
JFT

Signature



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Carlsbad, New Mexico  
 575-887-1ESC

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### CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters				
Client:	Clinton, City of (East Land App)			Permit/Project #:				Metals (See Comments) Soil pH (23.1), Phosphorus (01.9) Elec. Cond(35.R), NO3 (01.3), TKN (01.2) NO2 (01.4), % Solids (82), PAN (33.AN)							
Address:	P.O. Box 277			Purchase Order #:											
	Clinton, AR 72031			Work Order #											
Phone:	501-745-4320			Sampler Name(s):	METS RUDMAN										
Fax:	501-745-2164			and Signature(s):	[Signature]										
Contact:	Mr. Phil Graham														
ESC Client Number:	3001														
Sample Identification		Sample Collection				Sample Containers									
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	X	X	X	X		
55.57 LA PB 30	2302010404	2-23-23	13:44	Grab	Soil	Glass	4 oz	≤ 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:							
[Signature]		2-23-23	17:25	[Signature]		2-23-23	17:25	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:							
[Signature]		2/24/23	08:20	[Signature]		2/24/23	08:20	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]		2/24/23	08:20	[Signature]		2/24/23	08:20	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
All samples cooled to ≤ 6 deg C with ice.															
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS)				Flow Data		Field Test		Time		Analyst		Result		Units	
As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al(13.HS), Se (34.HS)															
Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F)															
00.MS, 00.HS															
				Chlorinated? Y N		Fecal Start:									

[Signature]

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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010469  
 Customer Name : CLINTON, EAST LA WD13  
 Customer Number : 2960  
 Report Date : 04/05/23

Sample Date : 03/09/23  
 Sample Time : 1152  
 Sample Type : GRAB/SOIL  
 Sample From : WD13

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>	<u>% RPD</u>
03/27	1100	RRJ	Ammonia Nitrogen	0.0240 mg/kg		SM 1997 4500-NH3 C	2.09	94.9 *
03/20	1338	JFT	Mercury	< 0.1120 mg/Kg		SW846 7474 02/07	3.48	120.2 *
03/30	1300	JTK	Kjeldahl Nitrogen Total	25.08 mg/kg		SM 1997 4500-NorgB	1.82	118.0 *
03/30	0450	NTR	Nitrate Nitrogen	3.670 mg/kg		SM 2000 4500-NO3 E	1.02	98.1 *
03/27	1210	RRJ	Nitrite Nitrogen	0.104 mg/kg		EPA 354.1	13.14	100.0 *
03/30	1300	JTK	Phosphorous, Total (as P)	2.6358 mg/kg		EPA 365.3	3.37	97.5 *
03/22	1447	JFT	Sodium	86.83 mg/Kg		SW-846 6020A	2.60	93.3 *
03/22	1447	JFT	Magnesium	691.81 mg/Kg		SW-846 6020A	6.13	97.3 *
03/22	1447	JFT	Aluminum, total	6037.35 mg/Kg		SW-846 6020A	0.84	95.4 *
03/22	1447	JFT	Potassium	593.12 mg/Kg		SW-846 6020A	6.10	90.2 *
03/22	1447	JFT	Calcium	4383.36 mg/Kg		SW-846 6020A	4.47	106.2 *
03/27	1410	RRJ	pH Soil	6.02 S.U.		SW846 9045C	0.00	100.0 *
03/22	1447	JFT	Iron	15201.43 mg/KG		SW-846 6020A	5.04	106.2 *
03/22	1447	JFT	Nickel	13.028 mg/Kg		SW-846 6020A	0.06	101.4 *
03/22	1447	JFT	Copper	18.716 mg/Kg		SW-846 6020A	1.12	96.1 *
03/22	1447	JFT	Zinc	46.842 mg/Kg		SW-846 6020A	0.53	102.7 *
04/04	1023	JFT	Nitrogen, Plant Available	11.30 mg/kg		SM1997 4500 N		
03/22	1447	JFT	Arsenic	8.454 mg/Kg		SW-846 6020A	0.30	116.4 *
03/22	1447	JFT	Selenium	1.494 mg/Kg		SW-846 6020A	1.19	102.6 *
03/27	1215	RRJ	Electric Conductivity	1.50 umho/c		EPA 9050A(MOD)	0.00	100.0 *
03/22	1447	JFT	Molybdenum	27.107 mg/Kg		SW-846 6020A	0.41	103.2 *

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



Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/22	1447	JFT	Cadmium	< 0.130			SW-846 6020A	1.09	108.0 *
03/20	1200	JFT	Solids, % Total	65.192			SM 1997 2540 G		
03/22	1447	JFT	Lead	10.472			SW-846 6020A	0.28	96.0 *
03/22	2158	JFT	Cation Exchange Capacity	225.2200			EPA 9081		
03/22	2158	JFT	Sodium Absorption Ratio	0.8935	Ratio		AGRN 724		

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 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 #:					Metals (See Comments)	Soil pH (23.1), Phosphorus (01.9)	Elec. Cond(35.R), NO3 (01.3), TKN 01.2	NO2 (01.4), % Solids (82), PAN (33.AN)						
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:		2960												
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
WD13	2307010469	3-9-23	1152	Grab	Soil	Glass	4 oz	≤ 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?	Intact?									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No									
All samples cooled to ≤ 6 deg C with ice.										Flow Data	Field Test	Time	Analyst	Result	Result	Units				
Comments: Mg (12.HS), K (19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS), Mo (43.HS)						Analyst:														
As(33.HS), Cd(48.HS), Pb(82.HS), Hg(01.14), Al (13.HS), Se (34.HS)						Time:														
Fe (26.HS), Ca (20.HS), Na (22.HS), SAR (99.L), CEC/100 (99.F)						Reading:														
00.MS, 00.HS						Units:														
						Chlorinated? Y N		Fecal Start:												
																		This Document is Page 1 of 1		

2015

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Control Number: 2302010448  
 Customer Name : CLINTON, EAST GW13  
 Customer/Permit No. : 507 / AR0048836 001  
 Report Date : 03/10/23

Sample Date : 02/23/23  
 Sample Time : 1210  
 Sample Type : GRAB WELL WATER  
 Sample From : WELL #13

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


### Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/06	1330	RRJ	Chloride (as Cl)	110.0 mg/L			SM 2011 4500 Cl C	0.00	100.0
02/27	1218	MER	pH	6.5 S.U.			SM 2011 4500-H+B	2.41	N/A *
03/07	1120	RRJ	Solids, Total Dissolved	300.0 mg/L			SM 2011 2540 C	0.00	N/A *
02/27	1245	MER	Spec. Conductance @ 25 C	141.100 umho/c			EPA 120.1	6.36	N/A
02/27	1210	MER	Temperature	14.50 °C			SM 2000 2550 B	0.69	N/A
03/03	1100	RRJ	Nitrate + Nitrite	1.36 mg/L			HACH 10206	9.92	106.5 *
02/27	1210	MER	Well Depth, Total	15.42 Feet				N/A	N/A
02/27	1210	MER	Depth to Water	9.02 Feet				N/A	N/A

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Control Number: 2302010449  
 Customer Name : CLINTON, EAST GW14  
 Customer/Permit No. : 508 / AR0048836 001  
 Report Date : 03/08/23

Sample Date : 02/23/23  
 Sample Time : 1130  
 Sample Type : GRAB WELLWATER  
 Sample From : WELL #14

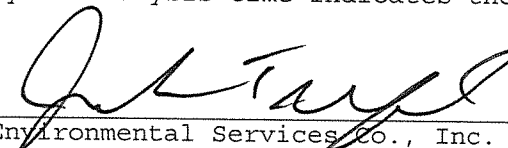
Collected By: MER  
 Delivery By : MER  
 Work Order :  
 Purchase Order :

<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>
03/06	1330	RRJ	Chloride (as Cl)	12.0 mg/L			SM 2011 4500 Cl C	0.00	100.0 *
02/27	1140	MER	pH	6.9 S.U.			SM 2011 4500-H+B	2.41	N/A *
02/28	0954	RRJ	Solids, Total Dissolved	48.3 mg/L			SM 2011 2540 C	0.00	N/A *
02/27	1252	MER	Spec. Conductance @ 25 C	69.500 umho/c			EPA 120.1	6.36	N/A *
02/27	1140	MER	Temperature	15.20 °C			SM 2000 2550 B	0.69	N/A *
03/03	1100	RRJ	Nitrate + Nitrite	1.23 mg/L			HACH 10206	9.92	106.5 *
02/27	1130	MER	Well Depth, Total	13.08 Feet				N/A	N/A
02/27	1130	MER	Depth to Water	9.06 Feet				N/A	N/A

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 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2302010450  
 Customer Name : CLINTON, EAST GW16  
 Customer/Permit No. : 509 / AR0048836 001  
 Report Date : 03/08/23

Sample Date : 02/23/23  
 Sample Time :  
 Sample Type : DRY WELL @1250  
 Sample From : PER MER

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

### Laboratory Analysis

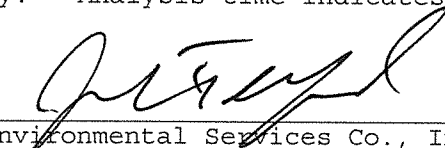
Analysis			Parameter	Result	Notes	Quantity	Method
Date	Time	By					
02/27	1250	MER	Dry Well	0.00			
02/27	1250	MER	Well Depth, Total	14.00 Feet			

Quality Assurance	
Precision	Accuracy
% RPD	% Recovery
N/A	N/A
N/A	N/A

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Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

ACG

# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
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 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: 2302010451  
 Customer Name : CLINTON, EAST GW17  
 Customer/Permit No. : 649 / AR0048747 001  
 Report Date : 03/08/23

Sample Date : 02/23/23  
 Sample Time : 1230  
 Sample Type : GRAB WELLWATER  
 Sample From : WELL #17

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>	<u>% RPD</u>
03/06	1330	RRJ	Chloride (as Cl)	10.0 mg/L		SM 2011 4500 Cl C	0.00	100.0 *
02/27	1235	MER	pH	6.2 S.U.		SM 2011 4500-H+B	2.41	N/A *
02/28	0954	RRJ	Solids, Total Dissolved	60.0 mg/L		SM 2011 2540 C	0.00	N/A *
02/27	1255	MER	Spec. Conductance @ 25 C	49.800 umho/c		EPA 120.1	6.36	N/A *
02/27	1235	MER	Temperature	16.60 °C		SM 2000 2550 B	0.69	N/A *
03/03	1100	RRJ	Nitrate + Nitrite	5.62 mg/L		HACH 10206	0.35	93.4 *
02/27	1230	MER	Well Depth, Total	17.50 Feet			N/A	N/A
02/27	1230	MER	Depth to Water	14.00 Feet			N/A	N/A

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 Environmental Services Co., Inc.

ACG



**Environmental Services Company**  
**Little Rock, AR 72211**  
**Groundwater Monitoring Chain of Custody**

Sampler Name(s): McClure Robert  
 and Signature: [Signature]

Sample Date: \_\_\_\_\_

Sample Identification (Customer #)	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth	pH				Specific Conductance				Temperature Degrees C				Cl, TDS (8 oz Plasti c ≤ 6 Deg C)	NO3-N O2 (8 oz Plastic H2SO4)
					#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
<b>Clinton Wells</b>					#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	230200451	12:10	9' 1/4"	15' 4"	6.5	6.5	6.5	12:18	141.1	132.4	131.0	17:45	14.5	14.2	14.6	12:30	X	X
#14 (508)	2302010449	11:30	9' 3/4"	13' 1"	6.9	6.6	6.6	11:40	19.5	21.1	17.1	17:52	15.2	15.2	15.8	11:40	X	X
#16 (509)	2302010450	12:50	Dry well	14' 0"	Dry well												X	X
#17 (649)	2302010451	12:30	14' 0"	17' 6"	6.2	6.0	5.99	12:35	44.8	44.3	43.9	17:55	16.6	17.3	17.2	12:35	X	X

Relinquished by: [Signature] Time: 17:25 Received By Lab: secure w/ALC EN Caped Date: 2-27-23 Time: 17:25

Comments:

[Signature]

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Northwest Arkansas Branch  
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 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2306010406  
 Customer Name : CLINTON, EAST GW13  
 Customer/Permit No. : 507 / AR0048836 001  
 Report Date : 07/05/23

Sample Date : 06/26/23  
 Sample Time : 1137  
 Sample Type : GRAB/WELL WATER  
 Sample From : #13 (507)

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</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>Parameter</u>	<u>% RPD</u>
06/28	1200	JTK	Chloride (as Cl)	20.0 mg/L		SM 2011 4500 Cl C	1.00	100.0 *
06/26	1140	JTH	pH	6.2 S.U.		SM 2011 4500-H+B	1.34	N/A *
06/29	1300	JTK	Solids, Total Dissolved	81.4 mg/L		SM 2015 2540 C	2.15	N/A *
06/26	1140	JTH	Spec. Conductance @ 25 C	28.200 umho/c		EPA1982 120.1	0.36	N/A
06/26	1140	JTH	Temperature	23.60 °C		SM 2000 2550 B	0.42	N/A
06/30	1540	TMS	Nitrate + Nitrite	1.20 mg/L		HACH 10206	0.19	102.0 *
06/26	1137	JTH	Well Depth, Total	15.40 Feet			N/A	N/A
06/26	1137	JTH	Depth to Water	10.17 Feet			N/A	N/A

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Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

NR



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Control Number: 2306010407  
 Customer Name : CLINTON, EAST GW14  
 Customer/Permit No. : 508 / AR0048836 001  
 Report Date : 07/05/23

Sample Date : 06/26/23  
 Sample Time : 1118  
 Sample Type : GRAB/WELL WATER  
 Sample From : #14 (508)

Collected By: JTH  
 Delivery By : JTH  
 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>
06/28	1200	JTK	Chloride (as Cl)	11.0 mg/L			SM 2011 4500 Cl C	1.00	100.0 *
06/26	1118	JTH	pH	5.9 S.U.			SM 2011 4500-H+B	1.34	N/A *
06/29	1300	JTK	Solids, Total Dissolved	120.3 mg/L			SM 2015 2540 C	0.00	N/A
06/26	1123	JTH	Spec. Conductance @ 25 C	100.500 umho/c			EPA1982 120.1	0.36	N/A *
06/26	1123	JTH	Temperature	25.00 °C			SM 2000 2550 B	0.42	N/A *
06/30	1540	TMS	Nitrate + Nitrite	1.18 mg/L			HACH 10206	0.19	102.0 *
06/26	1118	JTH	Well Depth, Total	13.10 Feet				N/A	N/A
06/26	1118	JTH	Depth to Water	10.24 Feet				N/A	N/A

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Control Number: 2306010408  
 Customer Name : CLINTON, EAST GW16  
 Customer/Permit No. : 509 / AR0048836 001  
 Report Date : 06/28/23

Sample Date : 06/26/23  
 Sample Time : 1150  
 Sample Type : DRY WELL  
 Sample From : #16 (509)

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

### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
06/26	1150	JTH	Dry Well	0.00				N/A	N/A

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Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

ML

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Control Number: 2306010409  
 Customer Name : CLINTON, EAST GW17  
 Customer/Permit No. : 649 / AR0048747 001  
 Report Date : 07/05/23

Sample Date : 06/26/23  
 Sample Time : 1109  
 Sample Type : GRAB/WELL WATER  
 Sample From : #17 (649)

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
06/28	1200	JTK	Chloride (as Cl)	10.0 mg/L			SM 2011 4500 Cl C	1.00	100.0
06/26	1110	JTH	pH	5.3 S.U.			SM 2011 4500-H+B	1.34	N/A *
06/29	1300	JTK	Solids, Total Dissolved	65.2 mg/L			SM 2015 2540 C	0.00	N/A *
06/26	1110	JTH	Spec. Conductance @ 25 C	66.700 umho/c			EPA1982 120.1	0.36	N/A *
06/26	1110	JTH	Temperature	28.90 °C			SM 2000 2550 B	0.42	N/A *
06/30	1540	TMS	Nitrate + Nitrite	1.18 mg/L			HACH 10206	0.19	102.0 *
06/26	1109	JTH	Well Depth, Total	17.60 Feet				N/A	N/A
06/26	1109	JTH	Depth to Water	12.56 Feet				N/A	N/A

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Signature   
 Environmental Services Co., Inc.

*MR*



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Control Number: 2307010228  
 Customer Name : CLINTON, EAST GW13  
 Customer/Permit No. : 507 / AR0048836 001  
 Report Date : 08/01/23

Sample Date : 07/24/23  
 Sample Time : 1050  
 Sample Type : GRAB/WELL WATER  
 Sample From : WELL #13

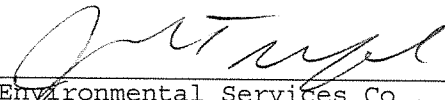
Collected By: JGK  
 Delivery By : JGK  
 Work Order :  
 Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
07/25	1100	TMS	Chloride (as Cl)	22.0 mg/L		SM 2011 4500 Cl C	2.19	96.3 *
07/24	1050	JGK	pH	6.2 S.U.		SM 2011 4500-H+B	0.00	N/A *
07/27	1030	TMS	Solids, Total Dissolved	518.0 mg/L		SM 2015 2540 C	1.83	N/A
07/24	1050	JGK	Spec. Conductance @ 25 C	174.300 umho/c		EPA1982 120.1	0.11	N/A
07/24	1050	JGK	Temperature	25.60 °C		SM 2000 2550 B	0.78	N/A
07/24	1100	JTK	Nitrate + Nitrite	0.89 mg/L		HACH 10206	0.00	102.0 *
07/24	1050	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
07/24	1050	JGK	Depth to Water	9.10 Feet			N/A	N/A

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Control Number: 2307010229  
 Customer Name : CLINTON, EAST GW14  
 Customer/Permit No. : 508 / AR0048836 001  
 Report Date : 07/31/23

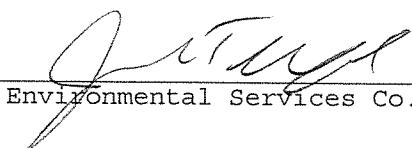
Sample Date : 07/24/23  
 Sample Time : 1100  
 Sample Type : GRAB/WELL WATER  
 Sample From : WELL #14

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>
						<u>Method</u>		
07/25	1100	TMS	Chloride (as Cl)	7.0 mg/L		SM 2011 4500 Cl C	2.19	96.3 *
07/24	1100	JGK	pH	6.1 S.U.		SM 2011 4500-H+B	0.00	N/A *
07/27	1030	TMS	Solids, Total Dissolved	74.0 mg/L		SM 2015 2540 C	1.83	N/A *
07/24	1100	JGK	Spec. Conductance @ 25 C	74.900 umho/c		EPA1982 120.1	0.11	N/A *
07/24	1100	JGK	Temperature	21.70 °C		SM 2000 2550 B	0.78	N/A *
07/24	1100	JTK	Nitrate + Nitrite	0.62 mg/L		HACH 10206	0.00	102.0 *
07/24	1100	JGK	Well Depth, Total	13.10 Feet			N/A	N/A
07/24	1100	JGK	Depth to Water	11.60 Feet			N/A	N/A

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Control Number: 2307010230  
 Customer Name : CLINTON, EAST GW16  
 Customer/Permit No. : 509 / AR0048836 001  
 Report Date : 07/25/23

Sample Date : 07/24/23  
 Sample Time : 1115  
 Sample Type : DRY WELL  
 Sample From : #16 (509)

Collected By: JGK  
 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>
07/24	1115	JGK	Dry Well	0.00				N/A	N/A

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Control Number: 2307010231  
 Customer Name : CLINTON, EAST GW17  
 Customer/Permit No. : 649 / AR0048747 001  
 Report Date : 07/31/23


Sample Date : 07/24/23  
 Sample Time : 1040  
 Sample Type : GRAB/WELL WATER  
 Sample From : WELL #17

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
07/25	1100	TMS	Chloride (as Cl)	< 0.1 mg/L			SM 2011 4500 Cl C	2.19	96.3 *
07/24	1040	JGK	pH	6.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
07/27	1030	TMS	Solids, Total Dissolved	72.0 mg/L			SM 2015 2540 C	1.83	N/A *
07/24	1040	JGK	Spec. Conductance @ 25 C	51.700 umho/c			EPA1982 120.1	0.11	N/A *
07/24	1040	JGK	Temperature	20.50 °C			SM 2000 2550 B	0.78	N/A *
07/24	1100	JTK	Nitrate + Nitrite	5.43 mg/L			HACH 10206	0.00	102.0 *
07/24	1040	JGK	Well Depth, Total	17.60 Feet				N/A	N/A
07/24	1040	JGK	Depth to Water	13.20 Feet				N/A	N/A

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Control Number: 2310010171  
 Customer Name : CLINTON, EAST GW13  
 Customer/Permit No. : 507 / AR0048836 001  
 Report Date : 10/24/23

Sample Date : 10/20/23  
 Sample Time : 0915  
 Sample Type : GRAB/WELL WATER  
 Sample From : #13 (507)


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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
10/24	0900	TMS	Chloride (as Cl)	15.0 mg/L			SM 2011 4500 Cl C	8.68	100.3
10/20	0919	JTH	pH	6.2 S.U.			SM 2011 4500-H+B	0.00	N/A
10/20	1330	TMS	Solids, Total Dissolved	172.0 mg/L			SM 2015 2540 C	9.94	N/A
10/20	0919	JTH	Spec. Conductance @ 25 C	273.000 umho/c			EPA1982 120.1	0.37	N/A
10/20	0919	JTH	Temperature	18.70 °C			SM 2000 2550 B	0.00	N/A
10/23	1200	JTK	Nitrate + Nitrite	0.63 mg/L			HACH 10206	1.09	104.0 *
10/20	0915	JTH	Well Depth, Total	15.40 Feet				N/A	N/A
10/20	0915	JTH	Depth to Water	10.80 Feet				N/A	N/A

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Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

NR

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Northwest Arkansas Branch  
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Control Number: 2310010172  
 Customer Name : CLINTON, EAST GW14  
 Customer/Permit No. : 508 / AR0048836 001  
 Report Date : 10/24/23

Sample Date : 10/20/23  
 Sample Time : 0901  
 Sample Type : GRAB/WELL WATER  
 Sample From : #14 (508)

Collected By: JTH  
 Delivery By : JTH  
 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>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
10/24	0900	TMS	Chloride (as Cl)	15.0 mg/L			SM 2011 4500 Cl C	8.68	100.3 *
10/20	0905	JTH	pH	6.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
10/20	1330	TMS	Solids, Total Dissolved	122.0 mg/L			SM 2015 2540 C	9.94	N/A *
10/20	0905	JTH	Spec. Conductance @ 25 C	98.600 umho/c			EPA1982 120.1	0.37	N/A *
10/20	0905	JTH	Temperature	18.70 °C			SM 2000 2550 B	0.00	N/A *
10/23	1200	JTK	Nitrate + Nitrite	0.34 mg/L			HACH 10206	1.09	104.0 *
10/20	0901	JTH	Well Depth, Total	13.10 Feet				N/A	N/A
10/20	0901	JTH	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.

NR

# 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: 2310010173  
 Customer Name : CLINTON, EAST GW17  
 Customer/Permit No. : 649 / AR0048747 001  
 Report Date : 10/24/23

Sample Date : 10/20/23  
 Sample Time : 0843  
 Sample Type : GRAB/WELL WATER  
 Sample From : #17 (649)

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

### Laboratory Analysis

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>
10/24	0900	TMS	Chloride (as Cl)	< 1.0 mg/L			SM 2011 4500 Cl C	8.68	100.3 *
10/20	0845	JTH	pH	5.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
10/20	1330	TMS	Solids, Total Dissolved	88.0 mg/L			SM 2015 2540 C	9.94	N/A *
10/20	0845	JTH	Spec. Conductance @ 25 C	70.700 umho/c			EPA1982 120.1	0.37	N/A *
10/20	0845	JTH	Temperature	20.00 °C			SM 2000 2550 B	0.00	N/A *
10/23	1200	JTK	Nitrate + Nitrite	5.90 mg/L			HACH 10206	1.09	104.0 *
10/20	0843	JTH	Well Depth, Total	17.60 Feet				N/A	N/A
10/20	0843	JTH	Depth to Water	13.30 Feet				N/A	N/A

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

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Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

NR

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 Little Rock, AR 72211  
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Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2310010174  
 Customer Name : CLINTON, EAST GW16  
 Customer/Permit No. : 509 / AR0048836 001  
 Report Date : 10/24/23

Sample Date : 10/20/23  
 Sample Time : 0925  
 Sample Type : DRY WELL  
 Sample From : #16 (509)

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

### Laboratory Analysis

Analysis			Parameter	Result	Notes	Quantity	Method
Date	Time	By					
10/20	0925	JTH	Dry Well	0.00			

Quality Assurance	
Precision	Accuracy
% 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.

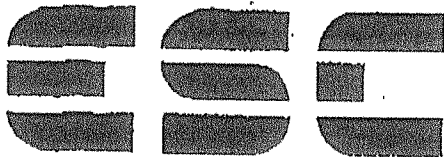
NR



06/28/2018 11:17 Environmental Services

(FAX)5012211341

P.001/001



**Environmental Services Company, Inc.**

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13715 West Markham  
Little Rock, Arkansas 72211  
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Fax: 501-221-1341

Northwest Branch:  
1107 Century Avenue  
Springdale, Arkansas 72764  
Phone: 479-750-1170  
Fax: 479-750-1172

*January 2023*

**FLOW REPORT SHEET**

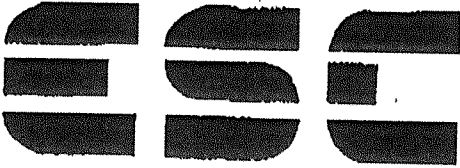
REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		818 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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No Discharge

HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:	<i>AA</i>	DATE:	<i>1-27-23</i>
DATE FLOW SHEET RECEIVED BY ESC:	<i>AA 1-27-23</i>		

0 Flows



# Environmental Services Company, Inc.

Corporate Office:  
 13715 West Markham  
 Little Rock, Arkansas 72211  
 Phone: 501-221-2685  
 Fax: 501-221-1341

Northwest Branch:  
 1107 Century Avenue  
 Springdale, Arkansas 72764  
 Phone: 479-750-1170  
 Fax: 479-750-1172

*February 2023*

## FLOW REPORT SHEET

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		619 East Land Application		AR0078889		East 001
DAY	MGD	Depth Irrigated (inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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No Discharge

HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

**FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY**

FLOW DATA ENTERED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

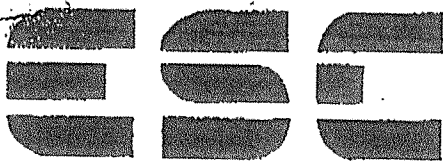
DATE FLOW SHEET RECEIVED BY ESC : *3-1-23 RLB*



06/28/2018 11:17 Environmental Services

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# Environmental Services Company, Inc.

Corporate Office:  
 13716 West Markham  
 Little Rock, Arkansas 72211  
 Phone: 501-221-2685  
 Fax: 501-221-1341

Northwest Branch:  
 1107 Century Avenue  
 Springdale, Arkansas 72764  
 Phone: 479-750-1170  
 Fax: 479-750-1172

*March 2023*

## FLOW REPORT SHEET

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		619 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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NO DISCHARGE

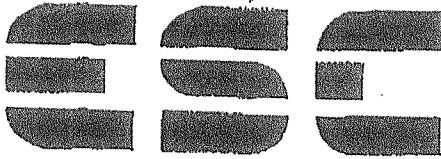
HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

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FLOW DATA ENTERED BY:	DATE:
DATE FLOW SHEET RECEIVED BY ESC:	

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**Environmental Services Company, Inc.**

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Little Rock, Arkansas 72211  
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Northwest Branch:  
1107 Century Avenue  
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Fax: 479-750-1172

*April 2023*

**FLOW REPORT SHEET**

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		619 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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*NO Discharge*

HOW OFTEN MUST FLOW BE MEASURED? \_\_\_\_\_

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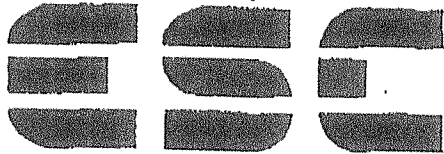
**FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY**

FLOW DATA ENTERED BY:	DATE:
DATE FLOW SHEET RECEIVED BY ESC :	

06/28/2018 11:17 Environmental Services

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# Environmental Services Company, Inc.

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*May 2023*

## FLOW REPORT SHEET

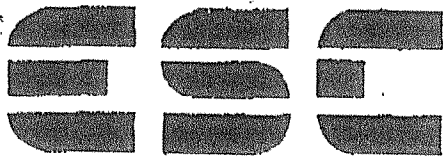
REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		619 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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FLOW DATA ENTERED BY:	DATE:
DATE FLOW SHEET RECEIVED BY ESC :	<i>969</i> <i>6/1/23</i>

06/28/2018 11:17 Environmental Services

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# Environmental Services Company, Inc.

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Fax: 479-750-1172

June 2023

## FLOW REPORT SHEET

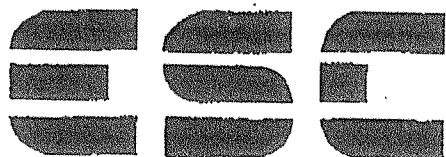
REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		819 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 267	TIME	PH	OPERATOR
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FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:		DATE:	
DATE FLOW SHEET RECEIVED BY ESC:			

06/28/2018 11:17 Environmental Services

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# Environmental Services Company, Inc.

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 1107 Century Avenue  
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July 2023

## FLOW REPORT SHEET

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		819 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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NO Discharge

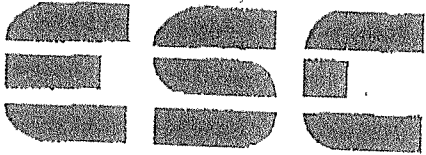
HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:		DATE:	
DATE FLOW SHEET RECEIVED BY ESC:			

06/28/2018 11:17 Environmental Services

(FAX)5012211341

004/004  
P.001/001



**Environmental Services Company, Inc.**

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*Aug 2023*

**FLOW REPORT SHEET**

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		619 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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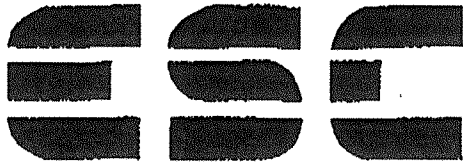
*NO Discharge*

HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:		DATE:	
DATE FLOW SHEET RECEIVED BY ESC:		<i>8-31-23 NDL</i>	

06/28/2018 11:17 Environmental Services

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# Environmental Services Company, Inc.

Corporate Office:  
 13715 West Markham  
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 Springdale, Arkansas 72764  
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 Fax: 479-750-1172

*September 2023*

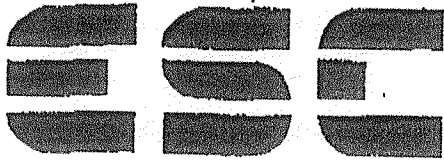
## FLOW REPORT SHEET

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		819 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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NO Discharge

HOW OFTEN MUST FLOW BE MEASURED?	WHAT TYPE WEIR IS USED?
HOW OFTEN MUST PH BE MEASURED?	IS READING: <input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED

FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY	
FLOW DATA ENTERED BY:	DATE:
DATE FLOW SHEET RECEIVED BY ESC :	



**Environmental Services Company, Inc.**

Corporate Office:  
13715 West Markham  
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Northwest Branch:  
1107 Century Avenue  
Springdale, Arkansas 72764  
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Fax: 479-750-1172

*October 2023*

**FLOW REPORT SHEET**

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		819 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287.	TIME	PH	OPERATOR
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HOW OFTEN MUST FLOW BE MEASURED?				WHAT TYPE WEIR IS USED?		
HOW OFTEN MUST PH BE MEASURED?				IS READING:		
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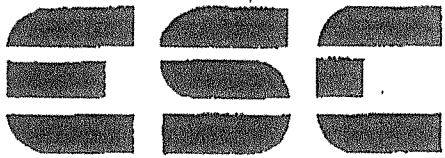
FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:		DATE:	
DATE FLOW SHEET RECEIVED BY ESC :		<i>11/1/23 LRP</i>	



06/28/2018 11:17 Environmental Services

(FAX)5012211341

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**Environmental Services Company, Inc.**

Corporate Office:  
 13715 West Markham  
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*November 2023*

**FLOW REPORT SHEET**

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		818 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
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HOW OFTEN MUST FLOW BE MEASURED?				WHAT TYPE WEIR IS USED?		
HOW OFTEN MUST PH BE MEASURED?				IS READING:		
				<input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED		

*N/A*

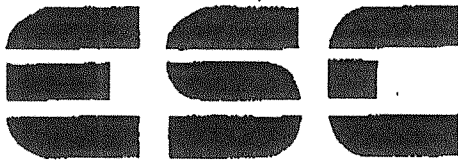
*Discharge*

FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY			
FLOW DATA ENTERED BY:		DATE:	
DATE FLOW SHEET RECEIVED BY ESC:		<i>12-4-23 N/A</i>	

06/28/2018 11:17 Environmental Services

(FAX)5012211341

P.001/001



# Environmental Services Company, Inc.

Corporate Office:  
 13715 West Markham  
 Little Rock, Arkansas 72211  
 Phone: 501-221-2585  
 Fax: 501-221-1341

Northwest Branch:  
 1107 Century Avenue  
 Springdale, Arkansas 72764  
 Phone: 479-750-1170  
 Fax: 479-750-1172

*Dec 2023*

## FLOW REPORT SHEET

REPORTING PERIOD		MONTH & YEAR:				
PERMITTEE:		ESC CLIENT NUMBER:		PERMIT NUMBER:		OUTFALL:
Clinton, City of		819 East Land Application		AR0078869		East 001
DAY	MGD	Depth Irrigated (Inches)	Area Irrigated (acres) Max of 287	TIME	PH	OPERATOR
1						
2						
3						
4						
5						
6						
7						
8						
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HOW OFTEN MUST FLOW BE MEASURED?				WHAT TYPE WEIR IS USED?		
HOW OFTEN MUST PH BE MEASURED?				IS READING:		
				<input type="checkbox"/> INSTANTANEOUS <input type="checkbox"/> TOTALIZER <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> ESTIMATED		

**FOR USE BY ENVIRONMENTAL SERVICES COMPANY ONLY**

FLOW DATA ENTERED BY:	DATE:
DATE FLOW SHEET RECEIVED BY ESC :	