Clinton Water & Sewer East Plant

Annual Report
Permit AR0048836 & 5130-WR-2
January 2020 – December 2020



Environmental Services Company, Inc.

Corporate Office

13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p)

501-221-1341 (f)

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 2020

			2020 Appl	ication Data		Total
	Annual	Million	Number	Gallons	Pounds	Application
Parameter	Concentration	Gallons/	of	per	per	Since 2003
	(mg/L)	Year	Acres	Acre-Year	Acre	Pounds/Acre
CBOD	< 2.0000	43.296	86.00	503,441.9	8.403	
Sodium Absorption Ratio	45.9537	43.296	86.00	503,441.9	193.071	
Fecal Coliform	< 4.1000	43.296	86.00	503,441.9	17.226	
Total Suspended Solids	2.5000	43.296	86.00	503,441.9	10.504	
Potassium	7.0090	43.296	86.00	503,441.9	29.448	
Total Phosphorus	0.2100	43.296	86.00	503,441.9	0.882	
Total Kjeldahl Nitrogen	11.6500	43.296	86.00	503,441.9	48.947	785.69
Ammonia Nitrogen	4.3400	43.296	86.00	503,441.9	18.234	207.95
Nitrate + Nitrite Nitrogen	2.0150	43.296	86.00	503,441.9	8.466	133.09
BOD-5	14.6600	43.296	86.00	503,441.9	61.593	1,366.03
Arsenic	< 0.0070	43.296	86.00	503,441.9	0.029	0.63
Cadmium	< 0.0064	43.296	86.00	503,441.9	0.027	0.31
Copper	< 0.0070	43.296	86.00	503,441.9	0.029	0.37
Lead	0.0090	43.296	86.00	503,441.9	0.038	0.77
Mercury	< 0.0010	43.296	86.00	503,441.9	0.004	0.11
Selenium	< 0.0109	43.296	86.00	503,441.9	0.046	0.86
Zinc	0.0656	43.296	86.00	503,441.9	0.275	5.63
Conductivity, minimum (mhos/cm)*	138.00					
Conductivity, maximum (mhos/cm)*	188.00					
pH, minimum (SU)*	7.20					
pH, maximum (SU)*	7.80					
Nitrogen Application Rate (lbs N/acre/year)	26.78					

^{*}Current year values

Crop Grown: Bermuda Hay

Sample ID	Clinton East	40.24 LA PB 3						
Control Number	2003010379							
	T 1s	t Quarter	2nc	d Quarter	3rc	d Quarter	411	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	4.13						
Ammonia Nitrogen	03/23/20	3.4430						
PAN	03/23/20	7.57						
Phosphorous	03/23/20	324.8410						
Potassium	03/23/20	102.39						
Arsenic	03/23/20	.914						
Cadmium	03/23/20	1.289						
Copper	03/23/20	1.454						
Lead	03/23/20	3.854						
Magnesium	03/23/20	87.37						
Mercury	03/23/20	.0190						
Nickel	03/23/20	3.303						
Zinc	03/23/20	5.937						
Conductivity (mhos/cm)	03/23/20	64.6						

pH (SU)

03/23/20

5.9

Sample ID	Clinton East	40.24 LA PB 30						
Control Number	2003010380							
	1si	t Quarter	2n	d Quarter	3rc	l Quarter	4th	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	6.970						
Ammonia Nitrogen	03/23/20	2.01						
PAN	03/23/20	8.98						
Phosphorous	03/23/20	376.3550						
Potassium	03/23/20	127.94						
Arsenic	03/23/20	1.147						
Cadmium	03/23/20	.716						
Copper	03/23/20	1.410						
Lead	03/23/20	3.243						
Magnesium	03/23/20	127.79						
Mercury	03/23/20	.0250						
Nickel	03/23/20	3.701						
Zinc	03/23/20	7.688						
Conductivity (mhos/cm)	03/23/20	12.9						

pH (SU)

03/23/20

6.6

Sample ID	Clinton East	55.57 LA PB 10						
Control Number	2003010381							
	1 10	t Quarter	2n	d Quarter	3rc	d Quarter	Δt1	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	4.22						
Ammonia Nitrogen	03/23/20	< 0.0594						
PAN	03/23/20	4.22						
Phosphorous	03/23/20	337.094						
Potassium	03/23/20	114.34						
Arsenic	03/23/20	.748						
Cadmium	03/23/20	1.172						
Copper	03/23/20	1.267						
Lead	03/23/20	3.517						
Magnesium	03/23/20	78.31						
Mercury	03/23/20	< 0.0140						
Nickel	03/23/20	2.961						
Zinc	03/23/20	4.841						
Conductivity (mhos/cm)	03/23/20	28.70						
pH (SU)	03/23/20	5.7						

Sample ID	Clinton East	55.57 LA PB 3						
Control Number	2003010382							
	1si	t Quarter	2n	d Quarter	3rc	d Quarter	4th	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	0.553						
Ammonia Nitrogen	03/23/20	3.0480						
PAN	03/23/20	3.60						
Phosphorous	03/23/20	357.1110						
Potassium	03/23/20	109.69						
Arsenic	03/23/20	0.980						
Cadmium	03/23/20	0.900						
Copper	03/23/20	1.285						
Lead	03/23/20	3.196						
Magnesium	03/23/20	97.90						
Mercury	03/23/20	< 0.022						
Nickel	03/23/20	3.074						
Zinc	03/23/20	5.638						
Conductivity (mhos/cm)	03/23/20	15.2						
pH (SU)	03/23/20	5.80						

Sample ID	Clinton East	55.57 LA PB 30						
Control Number	2003010383							
	1s	t Quarter	2n	d Quarter	3rc	d Quarter	4th	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	0.709						
Ammonia Nitrogen	03/23/20	< 0.0591						
PAN	03/23/20	0.7						
Phosphorous	03/23/20	353.1870						
Potassium	03/23/20	69.99						
Arsenic	03/23/20	0.639						
Cadmium	03/23/20	0.831						
Copper	03/23/20	0.976						
Lead	03/23/20	2.577						
Magnesium	03/23/20	58.51						
Mercury	03/23/20	< 0.009						
Nickel	03/23/20	2.175						
Zinc	03/23/20	3.926						
Conductivity (mhos/cm)	03/23/20	28.100						

pH (SU)

03/23/20

5.7

Sample ID	Clinton East	LA Airport 9						
Control Number	2003010384							
	1si	Quarter	2nc	d Quarter	3rc	d Quarter	4tl	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	2.041						
Ammonia Nitrogen	03/23/20	1.29						
PAN	03/23/20	3.33						
Phosphorous	03/23/20	305.0440						
Potassium	03/23/20	132.43						
Arsenic	03/23/20	0.992						
Cadmium	03/23/20	0.941						
Copper	03/23/20	1.347						
Lead	03/23/20	3.149						
Magnesium	03/23/20	92.25						
Mercury	03/23/20	< 0.0100						
Nickel	03/23/20	3.196						
Zinc	03/23/20	4.523						
Conductivity (mhos/cm)	03/23/20	26.6						
pH (SU)	03/23/20	5.3						

Sample ID	Clinton East	LA WD 13						
Control Number	2003010385							
	1.00	Overton	2	d Overter	2	1 Overton	141	o Ossantan
		t Quarter		d Quarter		d Quarter		h Quarter
D.	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/23/20	5.289						
Ammonia Nitrogen	03/23/20	2.2140						
PAN	03/23/20	7.5						
Phosphorous	03/23/20	337.6750						
Potassium	03/23/20	98.36						
Arsenic	03/23/20	0.884						
Cadmium	03/23/20	0.739						
Copper	03/23/20	1.003						
Lead	03/23/20	2.689						
Magnesium	03/23/20	74.44						
Mercury	03/23/20	< 0.009						
Nickel	03/23/20	2.596						
Zinc	03/23/20	4.032						
Conductivity (mhos/cm)	03/23/20	23.4						
pH (SU)	03/23/20	5.1						

Sample Date : 09/24/20

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2009010455

Customer Name : CLINTON, EAST IW

Sample Time : 1328

Collected By: NTR Delivery By : NTR

Customer/Permit No. : 619 / AR0048836 001

Report Date : 10/02/20

Sample Type : GRAB WWATER Sample From : IRRIGTION WATER

Work Order : Purchase Order :

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

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

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

Signature



Environmental Services Company, Inc. Corporate Office

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	Client Information				Project Information					Ī	Red	ques	sted	Parai	nete	ers		
Client:		Clinton, East IW			Permit/Pro	oject #:		AR0048	836		Miles established			Π				T
Address:		P.O. Box 277			Purchase	Order #:												
		Clinton, AR 72031			Work Orde	er#	***************************************						£					
Phone:		501-745-4320			Sampler Name(s):			Ned	Ryens	~1		1	02(- C			
Fax:		501-745-2164				()	***************************************	7.00	1090000			1	2 +		ents			
Contact:	*************************	Mr. Phil Graham			and Signa	ture(s):		MA.	<i>R.</i> .				NO3		Comments)			
ESC Client Numb		619							mg-			1	(A:					'
Sample	e Iden	tification		Sample	Collection			Sample	Container	'S	***********	(3)	N(15	16.C	s (S			
Identification	ì	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	7	-	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See			
Irrigation \	Water	2009010455	9-24-20	1328	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° (1	X	_	<u> </u>	=	\vdash	十	+
ĺ		1	1	1	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2		1		Х	X		\vdash	+	+
	··				 		Plastic	8 oz	HNO3 to p		1		^	^	х	\vdash	+	
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Relinquished By: (Signature a	and Printed	Name)	Date	Time	Received By: (Sig	anatura and Printe	d Nama)		Date	ļ		Used?		N	<u> </u>	Intact?		1_
		,		Time	Received by. (Si	gnature and i mile	a ivallie)		Date	Time		Turnai Regula			i	Special	_	7
Relinquished By: (Signature a	and Printed	Marine)	Date 9-24-2-0	1645	Received for Lab				9 /2 4/20	Time	e					preserve		
		U			000	Flow 40	ata V	Field Test	7129120 Time	1643 Analys		Resu	Yes It	X Resu		No Ur	nits	Щ_
Comments: Meta	als: Hg	(50.15), Cu(29.HW), 2 , Pb(82.HW), 00.MD	Zn(30.HW), <i>A</i>	∖s(33.HW),	Se(34.HW)			рН:	1330	NI	7	7.	2	7.	2_	S.U.		
Cu(-	TO.11VV),	1 D(02.1747), 00.141D				Time: Reading:		Conduct:	1330	M	객	-/64	t.1	164	2	и мно	S	
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Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2010010320 Customer Name : CLINTON, EAST IW

Customer/Permit No. : 619 / AR0048836 001

Report Date : 08/02/22

Sample Date : 10/22/20 Sample Time : 1213

Sample From : IRRIGATION WATER

Sample Type : GRAB WWATER

Collected By: NTR Delivery By : NTR

Work Order : Purchase Order :

	Ouality 2	Assurance					
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
10/23 0645 KNM	BOD, 5-day	10.6 mg/L			SM 2011 5210 B	13.57	87.0
10/26 1655 BXW	Ammonia as N, (HACH/SM)	8.40 mg/L			SM 2011 4500-NH3-G	1.98	99.1 *
10/28 0905 KNM	Total Kjeldahl Nitrogen	17.3 mg/L			02/2014 HACH 10242	4.91	106.0
10/29 1254 KNM	Potassium	7.0090 mg/L			EPA 200.8	1.24	118.8
10/22 1214 NTR	рН	7.8 S.U.			SM 2011 4500-H+B	0.00	N/A
10/27 1038 KNM	Copper	< 0.0070 mg/L			EPA 200.8	4.74	108.2
10/27 1038 KNM	Zinc	0.0396 mg/L			EPA 200.8	8.96	96.4
10/29 1254 KNM	Arsenic	< 0.0070 mg/L			EPA 200.8	2.04	97.5
10/29 1254 KNM	Selenium	< 0.0109 mg/L			EPA 200.8	3.48	96.1
10/22 1213 NTR	Spec. Conductance @ 25 C	265.000 umho/	С		EPA 120.1	1.90	N/A
10/27 1038 KNM	Cadmium	< 0.00640 mg/L			EPA 200.8	0.86	107.4
10/29 1551 KNM	Mercury	< 0.0010 mg/L			EPA 245.7	12.26	122.0 *
10/29 1254 KNM	Lead	0.01150 mg/L			EPA 200.8	1.30	87.9
10/23 1430 EDA	Nitrate + Nitrite	0.87 mg/L			HACH 10206	2.06	105.0
10/30 0800 KNM	Sodium Absorption Ratio	45.9537 Ratio			AGRN 724	2.00	100.0
	-						

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	C	Client Information				Pro	oject Inf	ormation	1				Rec	ques	ted	Par	ame	eters	3				
Client:		Clinton, East IW			Permit/Pro	oject #:	9 .	AR0048	836	14													
Address:		P.O. Box 277			Purchase	Order #:																	
		Clinton, AR 72031			Work Ord	er#							91.)										
Phone:		501-745-4320			Sampler N	lame(s):		Ned?	Dyerso				02(<u>@</u>								
· - Fax:		501-745-2164			1	· /		1900	24 y = 1 30				+		ent								
Contact:		Mr. Phil Graham			and Signa	ture(s):	-	Ash Ann					NOS		Comments)								
ESC Client Nu	ımber:	619			1		in the second	, , ,	228		\neg		(A)										
Sar	nple Iden	tification		Sample	Collection			Sample Containers				(3.)	N(15	16.C	s (S								
desired to the second s	Identification ESC Control # Date Time			-	Туре	Matrix	Type	Volume	Preserva		#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See								
Irrigati	gation Water 20/00/0325 /0-12 20 1213					Wwater	Plastic	1 Liter	Cool < 6° C	_	1	Х			_								
	1	\	12(2	Grab Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1 10	1		х	х			\dashv	\dashv						
1					Grab	Wwater	Plastic	8 oz	HNO3 to p	□ -2	 		^	^	Х		\dashv						
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Relinquished By Signa	ature and Printed	Name)	Date 10-22-20	Time		By: (Signature and			Date 10/22/20	Time			sampl Yes	les pro	perly								
900	~ /\PO	()	10 22 30	1 110	miline	Flow	ata	Meld Test		Analyst		Resu	_	Resu	lt	THE RESIDEN	No Units		-				
Comments:	Metals: Hg((50.15), Cu(29.HW), 2	\s(33.HW),	Se(34.HW)	Analyst:		pH:	1214	Na		1.	8	7.5		S.U.								
	ou(40.⊓VV),	Pb(82.HVV), 00.MD			Time: Reading:		Conduct:	1214	W	24	26	5	26	0	U MH	OS		_					
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Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

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

Control Number: 2001010093

Customer Name : CLINTON, EAST 001

Customer/Permit No.: 495 / AR0048836 001

Report Date : 01/20/20

Composite Date: 01/05/20 -01/06/20

Sample Time : 0800-0800

Sample Type : 24HRC

Sample From : FINAL EFFLUENT

Collected By: JJM Delivery By : JJM

Work Order :
Purchase Order :

Analysis		Laboratory Analysis	5				Assurance
<u>Date</u> <u>Time</u> <u>By</u> 01/09 0930 TCF	Parameter Phosphorous, Total (as P) Nitrate + Nitrite	Result 0.210 mg/L 0.87 mg/L	Notes _	Quantity	Method HACH 10209 HACH 10206	Precision * RPD 0.49 0.41	Accuracy <u>% Recovery</u> 96.9 * 98.9 *

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Signature

Environmental Services Co., Inc

DW

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

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



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	C	Client Information			Pro	oject Inf	ormation				İ	Req	ues	ted	Par	ame	eters	S	
Client:		Clinton, East 001			Permit/Pro	ject #:		AR00488	336										
Address:		P.O. Box 277			Purchase (Order #:													
_		Clinton, AR 72031			Work Orde	er#													ĺ
Phone:		501-745-4320		-	Sampler N	ame(s):	JOAL	~ Mills	W.	***	\exists	(25							
Fax:		501-745-2164							· · · · · · · · · · · · · · · · · · ·			otal							
Contact:		Mr. Phil Graham			and Signat	ure(s):	And		li	***************************************		Ţ,							
ESC Client Nu	mber:	495 (3X per week)			7	(<i>T</i>			*******		5(2							ĺ
Sar	nple Iden	itification		Sampl	e Collection			Sample (Container	S		÷NC+							
Identifica	ition	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	-	#	NO3+NO2(91), TotalP(25							
Final Effl	uent	SCAMMAS	1/5/25/1/26	D36250A	24Hr. Comp	24Hr. Comp Wwater Plastic 8 oz H					1	х					-		
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Relinquished By: (Signa	ture and Printed	Name)	Date	Time	Received By: (Sig	nature and Printed	Name)		Date	Time			round:		_	Intac	17		
ReMouished BA ASibna	ture and Printed	tName) ∧∧ N	\ \Date	Time	Received for Lah F	lv: (Signature and	Printed Name	2)	Date	Time		Regula	ar sampl	V	work	Spec			
Refriquished By Asigne	the 3	OSN Miller	V 6ALO	USSS	1-20	Da Cant Dad Callon of 1-6.			1-6-20	155	2			V	peny		No		
	-				Flow Data Field Test Time Analys				Resu	it I	Resu			Units					
Comments:			~		Analyst: Grab pH: Time: Grab DO:			 	-		\dashv			S.U. mg/L					
					Reading:					\dashv		\dashv		\dashv	····g/L		***************************************	_	
						Units:		E Coli Start			工		工						
								Fecal Start:			\Box	This	Docu	ımer	nt is	Page	1	of 1	

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

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

Control Number: 2001010090

Customer Name : CLINTON, EAST 001

Customer/Permit No. : 495 / AR0048836 001

Report Date : 01/24/20

Composite Date:01/05/20 -01/06/20

Sample Time : 0800-0800/1244(1-6)

Sample Type : 24HRC/GRAB WWATER Sample From : FINAL EFFLUENT

Collected By: JJM Delivery By : JJM

Work Order: Purchase Order:

	La	aboratory Analysis			Ouality A	Assurance
Analysis				į	Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
01/06 1252 JJM	Dissolved Oxygen	10.30 mg/L	96.13 #/day	SM 2001 4500-0 G	0.00	N/A *
01/09 1100 TCF	Ammonia as N, (HACH/SM)	4.67 mg/L	43.59 #/day		2.85	101.4 *
01/06 1252 JJM	-	7.4 S.U.		SM 2011 4500-H+B	0.00	N/A *
01/07 0800 PJC		< 2.50 mg/L	23.33 #/day		2.25	N/A *
	E. Coliforms	3.1 /100ml	_	06/2012 Colilert18	0.00	N/A
		4.1 /100ml		06/2012 Colilert18	0.00	N/A *
01/20 1029 NTR	Cadmium	< 0.10 ug/L	0.00 #/day	EPA 200.8	2.24	86.6 *
01/08 0730 DWC		< 2.00 mg/L	18.67 #/day	SM 2011 5210 B	5.03	102.4 *
01/16 1100 PJC	Mercury, ug/L	< 1.00000 ug/L	0.01 #/day	EPA 245.7	2.20	98.0
	Flow	1.120000 MGD				

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

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211 Little Rock, AR 72215

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	Client Information Clinton Fast 001				Project Information Permit/Project #: AP0048836							Red	ques	ted F	⊃aram	eters	
Client:		Clinton, East 001			Permit/Pro	ject #:		AR00488	336			(25)	<u> </u>				
Address:		P.O. Box 277			Purchase (Order #:						talP	Coli(43.IE)				
_		Clinton, AR 72031			Work Orde	er#						1),Tc	Soli(
Phone:		501-745-4320			Sampler N	ame(s):	Shal	1 Mille	Y		7	2(9	ш				
Fax:		501-745-2164					1 1	401 00			78.)	N+NO	3.IF)				
Contact:		Mr. Phil Graham			and Signat	ure(s):	Ash	Wille	<u></u>		TSS(28.)	NO3	ת (4				
ESC Client Nu	mber:	495										5.A),	liforr				
San	nple Iden	tification		Sample	Collection Sam			Sample Containers			CBOD(70.),	NH3-N(15.A),NO3+NO2(91),TotalP(25)	Fecal Coliform (43.IF),				
Identifica	ition	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preserva	ative #	188	ĘĘ.	Fec				
Final Effl	uent	2001010070	5/100=118121X	0800-	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C		Х	-					
		1	1	1	24Hr. Comp	Wwater	Plastic	8 oz	 Cool ≤ 6° C, H2SO4 to pH <2	1	1	X			\neg		ᅦ
			1/6/20	1244	Grab	Wwater	Plastic	100mls	Cool <10° C, Na2S2O3	1	T	1	Х		_		┪
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1	-44										Regu	ular	V		Special		
Revinquished By/ Signa	ature and Printee	Mama) Miller	1/6/20	Time 1955	Received for Lab I	By: (Signature and	Printed Nam	(locat	Date 1-6-70	Time	Were	e samp Yes	oles pro	perly p	reserved No		1
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Comments:			M 1			Analyst:		Grab pH: Grab DO:	1292	22W	7,				S.U. ng/L		7
			111	99	Reading: \.\Z			10	15			ig/L		1			
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					21/2/2/2/2			Fecal Start:	1600	HWK	This	s Doc	umei	nt is P	age _	of <u></u>	

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010379

Customer Name : CLINTON, EAST 40.24 LA PB 3

Customer Number: 3004

Report Date : 04/13/20

Sample Date : 03/23/20

Sample Time : 1050

Sample Type : GRAB SOIL

Sample From : EAST LA 40.24 PB3

Collected By: JGK Delivery By : JGK

Work Order: Purchase Order:

		Laboratory Ana	<u>lysis</u>	2		Quality 2	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	<u>Parameter</u>	Result	Notes	Quantity	Method	_ % RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	3.4430	mg/kg		SM 1997 4500-NH3 C	0.56	100.6
04/10 1524 KNM	Mercury	0.0190	mg/Kg		SW-846 7474 02/07	8.38	88.6
03/24 0630 NTR	Nitrate Nitrogen	4.130	mg/kg		SM 2000 4500-NO3 E	1.75	100.2
03/24 1250 NTR	Phosphorous, Total (as P)	324.8410	mg/kg		EPA 365.3	0.12	99.0
04/02 2226 KNM	Magnesium	87.37	mg/Kg		SW-846 6020A	7.68	102.4
04/02 2226 KNM	Potassium	102.39	mg/Kg		SW-846 6020A	6.77	110.7
03/31 1536 KNM	pH Soil	5.90	S.U.		SW846 9045C	1.68	N/A
04/02 2226 KNM	Nickel	3.303	mg/Kg		SW-846 6020A	0.88	98.5
04/02 2226 KNM	Copper	1.454	mg/Kg		SW-846 6020A	0.93	98.2
04/02 2226 KNM	Zinc	5.937			SW-846 6020A	0.89	103.0
03/24 0800 NTR	Nitogen, Plant Available	7.57 1			33 MSA 2nd Ed		
04/02 2226 KNM	Arsenic	0.914 1	mg/Kg		SW-846 6020A	1.70	106.1
03/24 1135 NTR	Specific Conductance	64.6000			EPA (MOD)9050A	0.47	N/A
04/02 2226 KNM	Cadmium	1.289 1	mg/Kg		SW-846 6020A	1.46	98.7
03/25 0945 KNM	Solids, % Total	79.885			SM 1997 2540 G	0.49	N/A *
04/02 2226 KNM	Lead	3.854 1	mg/Kg		SW-846 6020A	0.58	98.5
	1.66					a	
* QA data sho	wn is from a different samp	ole 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

KIN

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

Control Number: 2003010380

Customer Name : CLINTON, EAST 40.24 LA PB 30

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

Customer Number : 3003
Report Date : 04/13/20

Sample Date : 03/23/20

Sample Time : 1105

Sample Type : GRAB SOIL

Sample From : EAST LA 40.24 PB30

Collected By: JGK Delivery By : JGK

Work Order: Purchase Order:

		Laboratory Analys	sis			Quality .	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	2.0100 mg/			SM 1997 4500-NH3 C	0.56	100.6 *
04/10 1524 KNM	Mercury	0.0250 mg/	'Kg		SW-846 7474 02/07	8.38	88.6 *
03/24 0630 NTR	Nitrate Nitrogen	6.970 mg/	'kg		SM 2000 4500-NO3 E	1.75	100.2 *
03/24 1250 NTR	Phosphorous, Total (as P)	376.3550 mg/	'kg		EPA 365.3	0.12	99.0 *
04/02 2258 KNM	Magnesium	127.79 mg/	'Kg		SW-846 6020A	7.68	102.4 *
04/02 2258 KNM	Potassium	127.94 mg/	'Kg		SW-846 6020A	6.77	110.7 *
03/31 1539 KNM	pH Soil	6.60 S.T	Ι.		SW846 9045C	1.68	N/A *
04/02 2258 KNM	Nickel	3.701 mg/	Kg 💮		SW-846 6020A	0.88	98.5 *
04/02 2258 KNM	Copper	1.410 mg/	'Kg		SW-846 6020A	0.93	98.2 *
04/02 2258 KNM	Zinc	7.688 mg/	'Kg		SW-846 6020A	0.89	103.0 *
03/25 0800 NTR	Nitogen, Plant Available	8.98 mg/	kg		33 MSA 2nd Ed		
04/02 2258 KNM	Arsenic	1.147 mg/	Kg		SW-846 6020A	1.70	106.1 *
03/24 1135 NTR	Specific Conductance	12.9000 uml	os		EPA (MOD) 9050A	0.47	N/A *
04/02 2258 KNM	Cadmium	0.716 mg/	Kg		SW-846 6020A	1.46	98.7 *
03/25 0945 KNM	Solids, % Total	79.579 %			SM 1997 2540 G	0.49	N/A *
04/02 2258 KNM	Lead	3.243 mg/	Kg		SW-846 6020A	0.58	98.5 *

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Signature



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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010381

Customer Name : CLINTON, EAST 55.57 LA PB 10

Customer/Permit No. : 511 / AR0048836 001

Report Date : 04/13/20

Sample Date : 03/23/20

Sample Time : 1120

Sample Type : GRAB SOIL

Sample From : EAST LA 55.57 PB10

Collected By: JGK Delivery By : JGK

Work Order:
Purchase Order:

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

 $\mbox{\scriptsize *}$ QA data shown is from a different sample or standard on the same date.

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

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010382 Customer Name : CLINTON, EAST 55.57 LA PB 3

Customer Number: 3002 Report Date : 04/13/20 Sample Date : 03/23/20 Sample Time : 1140

Sample Type : GRAB SOIL

Sample From : EAST LA 55.57 PB3

Collected By: JGK Delivery By : JGK Work Order :

Purchase Order :

	<u>I</u>	Saboratory Analysis	3			Quality A	Assurance
Analysis			_			Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	3.0480 mg/kg	J		SM 1997 4500-NH3 C	0.56	100.6 *
04/10 1524 KNM	Mercury	< 0.0220 mg/Kg	I		SW-846 7474 02/07	8.38	88.6 *
03/24 0630 NTR	Nitrate Nitrogen	0.553 mg/kg	I		SM 2000 4500-NO3 E	1.75	100.2 *
03/24 1250 NTR	Phosphorous, Total (as P)	357.1110 mg/kg	I		EPA 365.3	0.12	99.0 *
04/02 2320 KNM	Magnesium	97.90 mg/Kg	I		SW-846 6020A	7.68	102.4 *
04/02 2320 KNM	Potassium	109.69 mg/Kg	I		SW-846 6020A	6.77	110.7 *
03/31 1542 KNM	pH Soil	5.80 S.U.			SW846 9045C	1.68	N/A *
04/02 2320 KNM	Nickel	3.074 mg/Kg	J		SW-846 6020A	0.88	98.5 *
04/02 2320 KNM	Copper	1.285 mg/Kg	ī		SW-846 6020A	0.93	98.2 *
04/02 2320 KNM	Zinc	5.638 mg/Kg	ſ		SW-846 6020A	0.89	103.0 *
03/25 0800 NTR	Nitogen, Plant Available	3.60 mg/kg	ſ		33 MSA 2nd Ed		
04/02 2320 KNM	Arsenic	0.980 mg/Kg	, [SW-846 6020A	1.70	106.1 *
03/24 1135 NTR	Specific Conductance	15.2000 umhos	\$		EPA (MOD) 9050A	0.47	N/A *
04/02 2320 KNM	Cadmium	0.900 mg/Kg	ſ		SW-846 6020A	1.46	98.7 *
03/25 0945 KNM	Solids, % Total	80.367 %			SM 1997 2540 G	0.49	N/A *
04/02 2320 KNM	Lead	3.196 mg/Kg	ſ		SW-846 6020A	0.58	98.5 *
					į		
					in Maryland		

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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010383

Customer Name : CLINTON, EAST 55.57 LA PB 30

Sample Date : 03/23/20

Collected By: JGK

Customer Number: 3001

Sample Time : 1150

Delivery By : JGK

Sample Type : GRAB SOIL

Work Order :

Report Date : 04/13/20

Sample From : EAST LA 55.57 PB30

Purchase Order :

		Laboratory Analys:	is			Ouality	Assurance
Analysis					i	Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	< 0.0591 mg/]	κg		SM 1997 4500-NH3 C	0.56	100.6 *
04/10 1524 KNM	Mercury	< 0.0090 mg/1			SW-846 7474 02/07	8.38	88.6 *
03/24 0630 NTR	Nitrate Nitrogen	0.709 mg/l			SM 2000 4500-NO3 E	1.75	100.2 *
03/24 1250 NTR	Phosphorous, Total (as P)	353.1870 mg/l			EPA 365.3	0.12	99.0 *
04/02 2331 KNM	Magnesium	58.51 mg/I			SW-846 6020A	7.68	102.4 *
04/02 2331 KNM	Potassium	69.99 mg/I	(g		SW-846 6020A	6.77	110.7 *
03/31 1543 KNM	pH Soil	5.70 S.U.			SW846 9045C	1.68	N/A *
04/02 2331 KNM	Nickel	2.175 mg/I			SW-846 6020A	0.88	98.5 *
04/02 2331 KNM	Copper	0.976 mg/I	(g		SW-846 6020A	0.93	98.2 *
04/02 2331 KNM	Zinc	3.926 mg/I	(g		SW-846 6020A	0.89	103.0 *
03/25 0800 NTR	Nitogen, Plant Available	0.70 mg/}	rg		33 MSA 2nd Ed		
04/02 2331 KNM	Arsenic	0.639 mg/E	(g		SW-846 6020A	1.70	106.1 *
03/24 1135 NTR	Specific Conductance	28.1000 umho	os		EPA (MOD) 9050A	0.47	N/A *
04/02 2331 KNM	Cadmium	0.831 mg/F	(g		SW-846 6020A	1.46	98.7 *
03/25 0945 KNM	Solids, % Total	84.516 %			SM 1997 2540 G	0.49	N/A *
04/02 2331 KNM	Lead	2.577 mg/F	(g		SW-846 6020A	0.58	98.5 *

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

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

Control Number: 2003010384

Customer Name : CLINTON, EAST LA AIRPORT9

Customer Number: 2959

Report Date : 04/13/20

Sample Date : 03/23/20 Sample Time : 1200

Sample Type : GRAB SOIL

Sample From : EAST LA AIRPORTS

Collected By: JGK Delivery By : JGK

Work Order : Purchase Order :

		Laboratory Analysis	<u> </u>			Quality 2	Assurance
Analysis					İ	Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	1.2990 mg/kg	ſ		SM 1997 4500-NH3 C	0.56	100.6 *
04/10 1524 KNM	Mercury	< 0.0100 mg/Kg	ī		SW-846 7474 02/07	8.38	88.6 *
03/24 0630 NTR	Nitrate Nitrogen	2.041 mg/kg	ſ		SM 2000 4500-NO3 E	1.75	100.2 *
03/24 1250 NTR	Phosphorous, Total (as P)	305.0440 mg/kg	ſ		EPA 365.3	0.12	99.0 *
04/02 2341 KNM	Magnesium	92.25 mg/Kg	ſ		SW-846 6020A	7.68	102.4 *
04/02 2341 KNM	Potassium	132.43 mg/Kg			SW-846 6020A	6.77	110.7 *
03/31 1544 KNM	pH Soil	5.30 S.U.			SW846 9045C	1.68	N/A *
04/02 2341 KNM	Nickel	3.196 mg/Kc	ſ		SW-846 6020A	0.88	98.5 *
04/02 2341 KNM	Copper	1.347 mg/Kg	ſ		SW-846 6020A	0.93	98.2 *
04/02 2341 KNM	Zinc	4.523 mg/Kg			SW-846 6020A	0.89	103.0 *
03/25 0800 NTR	Nitogen, Plant Available	3.33 mg/kg			33 MSA 2nd Ed	0.05	103.0
04/02 2341 KNM	Arsenic	0.992 mg/Kg			SW-846 6020A	1.70	106.1 *
03/24 1135 NTR	Specific Conductance	26.6000 umhos			EPA (MOD) 9050A	0.47	N/A *
04/02 2341 KNM	Cadmium	0.941 mg/Kg	r		SW-846 6020A	1.46	98.7 *
03/25 0945 KNM	Solids, % Total	80.808 %			SM 1997 2540 G	0.49	N/A *
04/02 2341 KNM	Lead	3.149 mg/Kg	•		SW-846 6020A	0.58	98.5 *
•		11 - 1 - 1 - 1 - 1 - 1			5 515 5520A	0.56	90.5 °
					1		

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.



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

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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010385

Customer Name : CLINTON, EAST LA WD13

Customer Number: 2960 Report Date: 04/13/20 Sample Date : 03/23/20 Sample Time : 1225

Sample Type : GRAB SOIL
Sample From : EAST LA WD13

Collected By: JGK Delivery By : JGK

Work Order:
Purchase Order:

		Laboratory Analys:	<u>Ls</u>			Ouality A	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	<u> Parameter</u>	Result	Notes _	Quantity	Method	% RPD	% Recovery
03/24 0845 NTR	Ammonia Nitrogen	2.2140 mg/l	g		SM 1997 4500-NH3 C	0.56	100.6 *
04/10 1524 KNM	Mercury	< 0.0090 mg/1			SW-846 7474 02/07	8.38	88.6 *
03/24 0630 NTR	Nitrate Nitrogen	5.289 mg/l			SM 2000 4500-NO3 E	1.75	100.2 *
03/24 1250 NTR	Phosphorous, Total (as P)	337.6750 mg/l			EPA 365.3	0.12	99.0 *
04/02 2352 KNM	Magnesium	74.44 mg/l	(g		SW-846 6020A	7.68	102.4 *
04/02 2352 KNM	Potassium	98.36 mg/1	(g		SW-846 6020A	6.77	110.7 *
03/31 1545 KNM	pH Soil	5.10 S.U			SW846 9045C	1.68	N/A *
04/02 2352 KNM	Nickel	2.596 mg/l			SW-846 6020A	0.88	98.5 *
04/02 2352 KNM	Copper	1.003 mg/l			SW-846 6020A	0.93	98.2 *
04/02 2352 KNM	Zinc	4.032 mg/l			SW-846 6020A	0.89	103.0 *
03/25 0800 NTR	Nitogen, Plant Available	7.50 mg/]	g		33 MSA 2nd Ed		
04/02 2352 KNM	Arsenic	0.884 mg/I	(g		SW-846 6020A	1.70	106.1 *
03/24 1135 NTR	Specific Conductance	23.4000 umh			EPA (MOD) 9050A	0.47	N/A *
04/02 2352 KNM	Cadmium	0.739 mg/I	(g		SW-846 6020A	1.46	98.7 *
03/25 0945 KNM	Solids, % Total	81.291 %			SM 1997 2540 G	0.49	N/A *
04/02 2352 KNM	Lead	2.689 mg/I	(g		SW-846 6020A	0.58	98.5 *

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Signature



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

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



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	Client Information					Pro	oject Inf	ormation					Reg	ues	ted	Para	ame	ters	,
Client:		Clinton, City of (Ea	st Land App	o)	Permit/Pro	oject #:													
Address:		P.O. Box 277			Purchase	Order #:							6.	<u>_</u>					
		Clinton, AR 72031			Work Orde	er#						ts)	Phos(01.9)	35.N	(NA				
Phone:		501-745-4320			Sampler N	lame(s):	71	Croene	لدأيا			omments	Pho	Spec Cond(35.M)	PAN(33.AN)				
Fax:		Mr. Phil Graham]								1.3),	ပို	PAN				
Contact:		501-745-2164		and Signat			\bigcirc	· (-n J	***************************************		ee C	en(0		<u>-</u> ,				
ESC Client Nui	mber:	Various					/					(Se	itrog	3.S)	ia(01				
San	nple Ider	ntification Sample Collection			Collection	on Sample Containers					als	te N	оH(2	Ammonia(01.1),					
Identifica	tion				Туре	Matrix	Туре	Volume	Preserva	tive	#	Metal	Nitrate Nitrogen(01.3),	Soil pH(23.S),	Am				
East LA 40.24 PB3	3 (3004)	2003010379	3/23/20	1050	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	;	1	х	х	х	Х				
East LA 40.24 PB3	30 (3003)	2003010380	3/23/20	1105	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	;	1	х	х	х	х				
East LA 55.57 PB1	10 (511)	2003010381	3125120	1170	Grab	Soil	Glass	1 Liter	Cool < 6° C	;	1	х	х	х	х				
East LA 55.57 PB3	3 (3002)	2003010382	3125120	1140	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	;	1	х	х	х	х				\Box
East LA 55.57 PB3	30 (3001)	2003010383	3123120	1150	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	;	1	х	х	х	х				
East LA Airport9 (2	2959)	2603010384	3123120	1200	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C		1	х	х	х	х				
East LA WD13 (29	960)	2003010385	3123120	ill5	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C		1	х	х	х	х				
<u> </u>											\dashv				\dashv			_	_
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Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341 Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010539

Customer Name : CLINTON, EAST GW13

Customer/Permit No. : 507 / AR0048836 001

Report Date : 04/02/20

Sample Date : 03/23/20

Sample Time : 1130

Sample Type : GRAB WWATER Sample From : WELL 13

Collected By: JGK Delivery By : JGK

Work Order : Purchase Order :

	Quality I	Assurance					
Analysis						Precision	Accuracy
Date Time By	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
04/01 0915 DWC	Chloride (as Cl)	20.0	mg/L		SM1997 4500ClC	0.00	93.0 *
03/23 1130 JGK	рН	6.5	S.U.		SM 2011 4500-H+B	0.00	N/A *
03/27 1030 NTR	Solids, Total Dissolved	258.0	mg/L		SM1997 2540 C	0.34	N/A *
03/23 1135 JGK	Spec. Conductance @ 25 C	238.000	umho/c		SM1997 2510B	0.42	N/A
03/23 1135 JGK	Temperature	14.60	°C		SM 2000 2550 B	0.00	N/A
03/25 1450 KNM	Nitrate + Nitrite	0.16	mg/L		HACH 10206	4.20	99.8 *
03/23 1130 JGK	Well Depth, Total	15.40	Feet			N/A	N/A
03/23 1130 JGK	Depth to Water	5.60	Feet			N/A	N/A
03/23 1130 JGK 03/27 1030 NTR 03/23 1135 JGK 03/23 1135 JGK 03/25 1450 KNM 03/23 1130 JGK	pH Solids, Total Dissolved Spec. Conductance @ 25 C Temperature Nitrate + Nitrite Well Depth, Total	6.5 258.0 238.000 14.60 0.16 15.40	S.U. mg/L umho/c °C mg/L Feet		SM 2011 4500-H+B SM1997 2540 C SM1997 2510B SM 2000 2550 B	0.00 0.00 0.34 0.42 0.00 4.20 N/A	93.0 N/I N/I N/I N/I 99.8

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

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Signature

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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2003010540

Customer Name : CLINTON, EAST GW14

Customer/Permit No. : 508 / AR0048836 001

Report Date : 04/02/20

Sample Date : 03/23/20

Sample Time : 1115

Sample Type : GRAB WWATER Sample From : WELL 14

Collected By: JGK Delivery By : JGK

Work Order : Purchase Order:

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

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Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

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

Control Number: 2003010542 Sample Date : 03/23/20 Customer Name : CLINTON, EAST GW17 Sample Time : 1020

Sample Type : GRAB WWATER Sample From : WELL 17

Collected By: JGK Delivery By : JGK Work Order :

N/A

N/A

Purchase Order :

Report Date : 04/13/20

Customer/Permit No. : 649 / AR0048747 001

Laboratory Analysis Quality Assurance Analysis Precision Accuracy Date Time By Parameter Result Notes Ouantity Method % RPD % Recovery 04/01 0915 DWC Chloride (as Cl) < 0.1 mg/LSM1997 4500ClC 0.00 93.0 * 03/23 1020 JGK pH 6.1 S.U. SM 2011 4500-H+B 0.00 N/A * 03/27 1030 NTR Solids, Total Dissolved 142.0 mg/L SM1997 2540 C 0.34 N/A *03/23 1025 JGK Spec. Conductance @ 25 C 76.600 umho/c SM1997 2510B 0.42 N/A * 03/23 1025 JGK Temperature 15.20 °C SM 2000 2550 B 0.00 N/A * 03/25 1450 KNM Nitrate + Nitrite 6.46 mg/L HACH 10206 4.20 99.8 * 03/23 1020 JGK Well Depth, Total 17.60 Feet N/AN/A03/23 1020 JGK Depth to Water 7.20 Feet

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

Sampler Name(s): Jason Knocmschild and Signature:

Sample Date: 3/13/10

Sample Identification (Customer #)	Number	Sample Time:	Depth To Water	Total Well Depth		р	Н		Sp	ecific Co	onducta	nce			erature ees C		CI, TDS (1L Plastic ≤ 6 Deg C)	NO3+N O2 (1 L Plastic H2SO4)
Clinton E	ast Wells		_		#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	2003010539	1130	56"	15′ 4″	6.5	6.6	6.5	1135	238	239	238	1135	64,6	14.6	14.6	1135	X	Х
#14 (508)	2003010540		4.11	13′ 1″	ط. ا	6.7	1	1	9	1	99.3	1	H	ł	1	1	X	х
#16 (509)	2003010541	1210		14′ 0″	VO	IP	1		PU		1						X	х
#17 (649)	2003010542	1020	7/211	17′ 6″	6.1	6.1	1	ll .			76.6	1025	15.2	15.3	15.2	1025	x	Х
																		7,000
																		
	1																	
Relinquished	1 by: 9. Kuf 16	wensh,	し Time	: 1415		Receive	d By La	ab:	and	(at	west	<u></u>	Date	e: 3/	23/2	Ti ر	me: 141	5

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Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2009010451

Customer Name : CLINTON, EAST GW13

Customer/Permit No. : 507 / AR0048836 001

Report Date : 09/30/20

Sample Date : 09/24/20

Sample Time : 1449

Sample Type : GRAB WATER Sample From : #13 (507)

Collected By: NTR Delivery By : NTR

Work Order : Purchase Order :

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

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Signature



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Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2009010452 Customer Name: CLINTON, EAST GW14

CLINION, EAST GW14

Customer/Permit No. : 508 / AR0048836 001 Report Date : 09/30/20

Sample Date : 09/24/20 Sample Time : 1411

Sample Type : GRAB WATER Sample From : #14 (508)

Collected By: NTR Delivery By: NTR

Work Order : Purchase Order :

Analysis	Quality Assurance Precision Accuracy					
<u>Date Time By</u>	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
09/25 1446 MRR	Chloride (as Cl)	9.9 mg/L		SM1997 4500ClC	0.00	99.9 *
09/24 1413 NTR	рН	6.3 S.U.		SM 2011 4500-H+B	0.00	N/A *
09/28 1439 BXW	Solids, Total Dissolved	150.0 mg/L		SM1997 2540 C	0.00	N/A *
09/24 1413 NTR	Spec. Conductance @ 25 C	119.600 umho/c		SM1997 2510B	0.34	N/A
09/24 1413 NTR	Temperature	18.90 °C		SM 2000 2550 B	0.00	N/A *
09/28 1441 MRR	Nitrate + Nitrite	$1.20~{ m mg/L}$		HACH 10206	2.30	105.0 *
09/24 1411 NTR	Well Depth, Total	13.08 Feet			N/A	N/A
09/24 1411 NTR	Depth to Water	8.25 Feet			N/A	N/A

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Signature



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Control Number: 2009010453

Customer Name : CLINTON, EAST GW16

Customer/Permit No. : 509 / AR0048836 001

Report Date : 09/29/20

Sample Date : 09/24/20

Sample Time : 1347

Sample Type : GRAB WATER Sample From : #16 (509)

Collected By: NTR Delivery By : NTR

Work Order : Purchase Order :

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

 $\mbox{\scriptsize *}$ QA data shown is from a different sample or standard on the same date.

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Signature



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Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2009010454

Customer Name : CLINTON, EAST GW17

Customer/Permit No. : 649 / AR0048747 001

Report Date : 10/05/20

Sample Date: 09/24/20

Sample Time : 1352

Sample Type : GRAB WATER Sample From : #17 (649)

Collected By: NTR Delivery By: NTR

Work Order : Purchase Order :

	Quality Assurance						
Analysis						Precision	Accuracy
<u>Date Time By</u>	<u>Parameter</u>	Result	Notes _	Quantity	Method	% RPD	% Recovery
09/25 1446 MRR	Chloride (as Cl)	< 0.1	mg/L		SM1997 4500ClC	0.00	99.9
09/24 1353 NTR	рН	6.1	S.U.		SM 2011 4500-H+B	0.00	N/A *
	Solids, Total Dissolved	191.6	mg/L		SM1997 2540 C	0.00	N/A *
09/24 1353 NTR	Spec. Conductance @ 25 C	76.300	umho/c		SM1997 2510B	0.34	N/A *
09/24 1353 NTR	Temperature	19.30	°C		SM 2000 2550 B	0.00	N/A *
09/28 1441 MRR	Nitrate + Nitrite	6.02 1	mg/L		HACH 10206	2.30	105.0 *
09/24 1352 NTR	Well Depth, Total	17.50	Feet			N/A	N/A
09/24 1352 NTR	Depth to Water	12.38	Feet			N/A	N/A

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Signature





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

Sampler Name(s):	Ned Ryerson
and Signature:	nu One L

Sample Date: 9-24-2020

Sample Identification (Customer #)	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth		þ	эН		Sp		onductai	nce			erature ees C		Cl, TDS (1L Plastic \$ 6 Deg C)	NO3+N O2 (8 oz Plastic
Clinton Ea	ast Wells		_		#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	2009010451	1449	9'4"	15′ 4″	6,2	6.2	6.2	1450	145:4	144.9	145.1	1450	18.5	87	18.6	1450	X	х
#14 (508)	2009010452		8'3"	13′ 1″	6.3	6.2	1			1				18.9	18.8	1413	х	х
#16 (509)	2009010453	' '	-	14′ 0″	D		W	1	ĺ			/					X	х
	2009010454	,	12' 4.5"		6.1	6,0				76.5	76.6	1353	19.3	19.4	19.2	1353	Х	х
					•		•											
				, , , , , , , , , , , , , , , , , , , ,														

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Relinquished Comments	by: Ned Rye - Ne.	d Ryevs.	Time:	<u> </u>	R	Receive	d By La	16: 1/0	M.	7	Ben (Nog	Date	e: 1/2	4/70	Ti	me:1645	

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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2010010322

Customer Name : CLINTON, EAST GW13

Sample Date : 10/22/20 Sample Time : 1307

Collected By: NTR Delivery By : NTR

Customer/Permit No. : 507 / AR0048836 001

Work Order :

Report Date : 10/30/20

Sample Type : GRAB WATER Sample From : 13 (507)

Purchase Order :

	Quality Assurance						
Analysis						Precision	Accuracy
<u>Date Time By</u>	<u>Parameter</u>	Result	Notes	Quantity	Method	% RPD	% Recovery
10/29 1450 BXW	Chloride (as Cl)	10.0	mg/L		SM1997 4500ClC	0.00	90.0
10/22 1307 NTR	рН	6.2	S.U.		SM 2011 4500-H+B	0.00	N/A *
10/23 1530 EDA	Solids, Total Dissolved	80.0	mg/L		SM1997 2540 C	4.45	N/A *
10/22 1307 NTR	Spec. Conductance @ 25 C	188.400	umho/c		SM1997 2510B	1.90	N/A *
10/23 1430 EDA	Nitrate + Nitrite	1.12	mg/L		HACH 10206	2.06	105.0 *
10/22 1307 NTR	Well Depth, Total	15.33	Feet			N/A	N/A
10/22 1307 NTR	Depth to Water	8.13	Feet			N/A	N/A

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

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

Signature



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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2010010323

Customer Name : CLINTON, EAST GW14

Collected By: NTR

Customer/Permit No. : 508 / AR0048836 001

Sample Time : 1250

Delivery By : NTR

Sample Type : GRAB WATER

Work Order :

Report Date : 10/30/20

Sample From : 14 (508)

Sample Date : 10/22/20

Purchase Order :

	Quality Assurance						
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes _	Quantity	<u> Method</u>	% RPD	<pre>% Recovery</pre>
10/29 1450 BXW	Chloride (as Cl)	10.0	mg/L		SM1997 4500ClC	0.00	90.0 *
10/22 1250 NTR	рН	5.8	S.U.		SM 2011 4500-H+B	0.00	N/A *
10/23 1530 EDA	Solids, Total Dissolved	< 2.5	mg/L		SM1997 2540 C	4.45	N/A *
10/22 1250 NTR	Spec. Conductance @ 25 C	129.200	umho/c		SM1997 2510B	1.90	N/A *
10/23 1430 EDA	Nitrate + Nitrite	< 0.23	mg/L		HACH 10206	2.06	105.0 *
10/22 1250 NTR	Well Depth, Total	13.08	Feet			N/A	N/A
10/22 1250 NTR	Depth to Water	9.66	Feet			N/A	N/A

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

Signature



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

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

Control Number: 2010010324

Customer Name : CLINTON, EAST GW16

Customer/Permit No. : 509 / AR0048836 001

Report Date : 10/26/20

Sample Date : 10/22/20

Sample Time : NA

Sample Type : GRAB WATER Sample From : 16 DRY WELL

Collected By: NTR Delivery By: NTR

Work Order : Purchase Order :

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



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

Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2010010325

Customer Name : CLINTON, EAST GW17

Customer/Permit No. : 649 / AR0048747 001

Sample Time : 1236 Sample Type : GRAB WATER

Sample Date : 10/22/20

Collected By: NTR Delivery By : NTR

Work Order :

Report Date : 10/30/20

Sample From : 17 (649)

Purchase Order :

					ł	
	Quality Assurance					
Analysis					Precision	Accuracy
Date Time By	<u>Parameter</u>	Result Notes	Quantity	Method	용 RPD	% Recovery
10/29 1450 BXW	Chloride (as Cl)	$10.0~{ m mg/L}$		SM1997 4500ClC	0.00	90.0 *
10/22 1236 NTR	рн	5.5 S.U.		SM 2011 4500-H+B	0.00	N/A *
10/23 1530 EDA	Solids, Total Dissolved	146.7 mg/L		SM1997 2540 C	4.45	N/A *
10/22 1236 NTR	Spec. Conductance @ 25 C	93.900 umho/c		SM1997 2510B	1.90	N/A *
10/23 1430 EDA	Nitrate + Nitrite	5.86 mg/L		HACH 10206	2.06	105.0 *
10/22 1236 NTR	Well Depth, Total	17.50 Feet			N/A	N/A
10/22 1236 NTR	Depth to Water	12.58 Feet			N/A	N/A
					ı	

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



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



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

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

Sample Date: October 22, 2020

Sample Identification (Customer #)	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth		p	Н		Sp	ecific Co	onductar	nce	/		erature ees C		CI, TDS (1L) Plastic \$ 6 Deg C)	NO3+N 02 (1 L Plastic H2SO4)
Clinton W	ells				#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	2010010322	1307	8 11/2"	15′ 4″	6,2	6.3	6.3	1307	188.4	188.1	188.2	1307	219	22.0	22.0	1307	Х	X
#14 (508)	2010010323			13′ 1″		1				ļ .	1		1	1		1		X
#16 (509)	2010010324		-	14' 0"	-DR	Y \	JE)		ACHINA PARAMETERS	25.00 April 10 April			•				X	х
#17 (649)	2010100325			I	1	•	1		93.9	944	94.1	1236	20.6	20.4	20.3	1236	х	х
			1.7															
												····						
Relinquished	by Hed Ang-		Time	 1710		Receive	d By La	<u> </u> ab:	um	yen	y Be	noun	Date	e:1012	2/20	Ti	me: [7]	U

Comments:

page lof 1

CITY OF CLINTON CLINTON WATER AND SEWER DEPARTMENT

P.O. BOX 277 CLINTON, AR 72031 TELEPHONE (501) 745-4320 FAX (501) 745-2164

	TO:	ESC			
	ATTN:	JOYCE			
	FAX#:	501-221-1341			
	FROM:	DONNA			
	PAGES INCL	LUDING COVER PAGE:_	1		
MESSAGE:	Yearly Re	port 2020			
	7	,		٠.	
East Plant	: 43.296	mg 123 inches	s 1437.2	8 Acres	
		wy			
Lrops Gre	own: Bernud	a Hay			
East Plant	Owners : 5	iteve Bone + Wi	11 Dawson	,	
		anny Boone, Rox e			
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