



**Shawn L. Lane**  
Mayor

# CITY OF YELVILLE

P.O. Box 647  
Yellville, AR 72687  
(870) 449-6581 Office  
(870) 449-4142 Fax



**Melissa Dorsey**  
Clerk/Treasurer

April 19, 2022

Arkansas Department of Environmental Quality  
5301 Northshore Dr.  
North Little Rock, AR 72118

RE: City of Yellville water enforcement report

To whom it may concern,

As per regulations, the City of Yellville has completed a progress report towards the compliance of the new permit issued on March 29, 2021. Please accept this letter as the progress report. Included in this letter is documentation demonstrating the compliance.

The City of Yellville is currently in compliance with the new permit limits of Dissolved Oxygen and Nitrate + Nitrite Nitrogen. In June of 2021, we began the process of repairing numerous air leaks in the air line feeding the diffusers in the aeration basin. After the air leaks had been repaired, it was noticed that the nitrate levels were starting to rise, and we were in non-compliance with nitrate + nitrite in the effluent. We feel the levels started to rise because after the repair of the air leaks, the blowers were not staying off long enough to cause the aeration basin to go anoxic and allow the basin to de-nitrify. The process of fine tuning the blower program lasted a couple of months and since October of 2021, we have been in compliance with the nitrate + nitrite limitations.

At this time, we feel that this report demonstrates that the plant is in compliance with the new permit levels. If there are any further questions, please feel free to contact my office at 870-449-5210.

Documentation included with this report are the following lab reports:

04082021esc, 04152021esc, 05272021esc, 06032021esc, 06102021esc, 07082021esc, 07152021esc, 08052021esc, 08122021, 09022021esc, 09092021esc, 10072021esc, 10142021esc, 11042021esc, 11112021esc, 12022021esc, 12102021esc, 01052022esc, 01122022esc, 02162022esc, 02222022esc, 03032022esc, and 03092022esc.

Sincerely

Shawn L. Lane  
Mayor  
City of Yellville



Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565  
 Carlsbad, New Mexico  
 575-887-1ESC

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

Client Information				Project Information						Requested Parameters				
Client:		Yellville WW		Permit/Project #:		AR0034037				Chloride (7), Sulfate (36), TDS (27) Fecal Coliform (43.IF) NO3+NO2 (91)				
Address:		PO Box 647 Yellville Ar 72687		Purchase Order #:										
Phone:		(870)449-5210		Sampler Name(s):		STUART OXFORD								
Fax:		(870) 449-4142		and Signature(s):		<i>Stuart Oxford</i>								
Contact:		Mr. Stuart Oxford		ESC Client Number:		3770								
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#					
Final Effluent	2104010181	4/8/21	1129	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X				
	I	I	I	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X			
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?			
<i>Stuart Oxford</i> STUART OXFORD		4/8/21	11:31 AM	<i>William Willoughby</i> William Willoughby		4/8/21	1131	Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special			
<i>William Willoughby</i> William Willoughby		4/8/21	1610	<i>William Willoughby</i> William Willoughby		4/8/21	1610	Were samples properly preserved:		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Comments:		FLOW DATA		Field Test		Time	Analyst	Result	Result	Units				
		Analyst:		pH:										
		Time:		DO:										
per Stuart Oxford, no pt1 & DO recorded w/GW		Reading:		Temp:										
		Units:		Fecolst		1612	BXLJ							
Cool all samples to 6 degrees C.		Chlorinated? No		This Document is Page <u>1</u> of <u>1</u>										

BXW





# Environmental Services Company, Inc.

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

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

Control Number: 2105010331  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 06/04/21

Sample Date : 05/27/21  
 Sample Time : 1058  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
06/02	1130	BXW	Chloride (as Cl)	20.0 mg/L		60.85 #/day	SM 2011 4500 Cl C	0.00	100.0
05/27	1058	HMK	Dissolved Oxygen	8.52 mg/L		25.92 #/day	HACH 10360 R1.2	1.63	N/A
05/27	1058	HMK	pH	7.8 S.U.			SM 2011 4500-H+B	1.27	N/A
06/01	1518	EJD	Solids, Total Dissolved	344.0 mg/L		1046.59 #/day	SM 2011 2540 C	7.85	N/A
06/01	0815	EJD	Sulfate (as SO4)	< 1.000 mg/L		3.04 #/day	EPA 375.4	0.00	N/A
05/27	1058	HMK	Temperature	21.80 °C			SM 2000 2550 B	2.27	N/A
05/27	1540	BXW	Fecal Coliform	6.3 /100ml			06/2012 Colilert18	0.00	N/A *
06/01	1245	NTR	Nitrate + Nitrite	2.22 mg/L		6.75 #/day	HACH 10206	2.19	101.2
			Flow	0.365090 MGD					

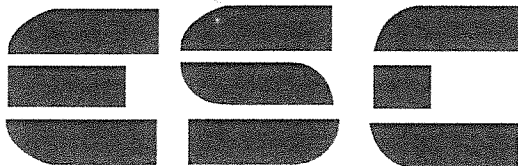
\* QA data shown is from a different sample or standard on the same date.

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

Signature *Krist Mullis*  
 Environmental Services Co., Inc.

*NR*

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

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

### CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters											
Client:	Yellville WW			Permit/Project #:	AR0034037							Chloride (7), Sulfate (36), TDS (27) Fecal Coliform (43.IF) NO3+NO2 (91)										
Address:	PO Box 647 Yellville Ar 72687			Purchase Order #:																		
Phone:	(870)449-5210			Sampler Name(s):	<i>Hayden Kelly</i>																	
Fax:	(870) 449-4142			and Signature(s):	<i>[Signature]</i>																	
Contact:	Mr. Stuart Oxford																					
ESC Client Number:	3770																					
Sample Identification		Sample Collection					Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
Final Effluent	<i>25-2002105010331</i>	<i>5/27/21</i>	<i>1058</i>	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X												
	<i>5/14/21</i>	<i>↓</i>	<i>↓</i>	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X											
	<i>+</i>	<i>↓</i>	<i>↓</i>	Grab	Wwater	Plastic	8 oz	H2SO4	1			X										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>									
Comments: Per Stewart Oxford, record fecal temperatures below				FLOW DATA		Field Test	Time	Analyst	Result	Result	Units											
Picked up	Temp °C	Time	Analyst	Analyst:	<i>HMK</i>	pH:	<i>6.58</i>	<i>HMK</i>	<i>7.80</i>	<i>7.94</i>												
Received by Lab				Time:	<i>1058</i>	DO:	<i>↓</i>	<i>↓</i>	<i>8.52</i>	<i>8.66</i>												
				Reading:	<i>0.36500</i>	Temp:	<i>↓</i>	<i>↓</i>	<i>21.8</i>	<i>22.3</i>												
				Units:	<i>MG/L</i>	Fecal	<i>1540</i>	<i>BXL</i>														
Cool all samples to 6 degrees C.							Chlorinated? No				This Document is Page <i>6 of 6</i>											

# 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: 2106010088  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 06/11/21

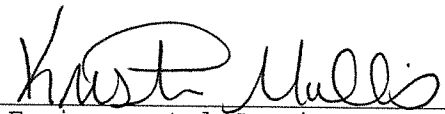
Sample Date : 06/03/21  
 Sample Time : 1125  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Analysis							Precision	Accuracy	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
06/08	1303	BXW	Chloride (as Cl)	9.9 mg/L		41.66 #/day	SM 2011 4500 Cl C	0.00	100.0 *
06/03	1130	WGW	Dissolved Oxygen	13.79 mg/L		58.03 #/day	HACH 10360 R1.2	0.00	N/A *
06/03	1130	WGW	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
06/03	1130	WGW	Temperature	20.20 °C			SM 2000 2550 B	0.00	N/A *
06/03	1651	BXW	Fecal Coliform	7.3 /100ml			06/2012 Colilert18	0.00	N/A *
06/07	0928	KNM	Nitrate + Nitrite	3.71 mg/L		15.61 #/day	HACH 10206	0.00	90.1 *
			Flow	0.505000 MGD					

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

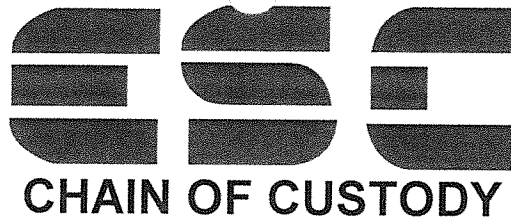
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

Signature   
 Environmental Services Co., Inc.

3XW



Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565  
 Carlsbad, New Mexico  
 575-887-1ESC

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

Client Information				Project Information						Requested Parameters											
Client:	Yellville WW			Permit/Project #:	AR0034037						KMM Chloride (7), Sulfate (36), IDS (27)	Fecal Coliform (43.IF)	NO3+NO2 (91)								
Address:	PO Box 647 Yellville Ar 72687			Purchase Order #:																	
Phone:	(870)449-5210			Sampler Name(s):	William Willoughby																
Fax:	(870) 449-4142			and Signature(s):																	
Contact:	Mr. Stuart Oxford																				
ESC Client Number:	3770																				
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Final Effluent	2106010088	6/3/21	1125	Grab	Wwater	Plastic	8oz + Liter	Cool ≤6°C	1	X											
	↓	↓	↓	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X										
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	In tact?	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>								
Comments: Per Stewart Oxford, record fecal temperatures below/				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units									
	Temp °C	Time	Analyst	Analyst:	WGV	pH:	1130	WGV	7.5	7.5											
	Picked up			Time:	1130	DO:	1130	WGV	13.74	13.74											
	Received by Lab			Reading:	0.506	Temp:	1130	WGV	20.2	20.2	°C										
Bottle preservative was acidic, not tested - KMM 4/14/21				Units:	N/A-B	Chlorinated? No		This Document is Page 1 of 1													

BXU

# 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: 2106010192  
 Customer Name : YELLEVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 06/16/21

Sample Date : 06/10/21  
 Sample Time : 1155  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
06/14	1305	BXW	Chloride (as Cl)	9.9 mg/L			SM 2011 4500 Cl C	0.00	100.0 *
06/10	1200	JK	Dissolved Oxygen	7.50 mg/L			HACH 10360 R1.2	0.00	N/A
06/10	1200	JK	pH	7.9 S.U.			SM 2011 4500-H+B	0.00	N/A
06/11	1502	EJD	Solids, Total Dissolved	370.0 mg/L			SM 2011 2540 C	1.49	N/A *
06/11	1239	EJD	Sulfate (as SO4)	< 1.000 mg/L			EPA 375.4	2.60	N/A *
06/10	1200	JK	Temperature	24.10 °C			SM 2000 2550 B	0.00	N/A
06/10	1600	BXW	Fecal Coliform	6.0 /100ml			06/2012 Colilert18	0.00	N/A
06/14	1611	EJD	Nitrate + Nitrite	3.80 mg/L			HACH 10206	3.74	101.0 *

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

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

Signature *Krist Muller*  
 Environmental Services Co., Inc.

*MR*



# Environmental Services Company, Inc.

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

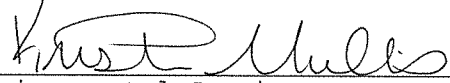
Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2107010153	Composite Date: 07/07/21 - 07/07/21	Collected By: ANTHONY HOYT
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1300-1600	Delivery By : DMP
Customer/Permit No. : 3770 / ar0034037 001a	Sample Type : COMP WWATER	Work Order :
Report Date : 07/14/21	Sample From : EFFLUENT	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>
07/09	1445	EJD	Ammonia as N, (HACH/SM)	0.06 mg/L		SM 2011 4500-NH3-G	0.00	97.2 *
07/13	1256	KNM	Solids, Total Suspended	< 4.20 mg/L		SM 2011 2540 D	25.36	N/A *
07/09	0600	BXW	BOD, Carbonaceous	< 2.0 mg/L		SM 2011 5210 B	19.81	137.0 *

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

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

Signature   
 Environmental Services Co., Inc.

*Bsw*

# 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: 2107010156  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 07/15/21

Sample Date : 07/08/21  
 Sample Time : 1120  
 Sample Type : GRAB WWATER  
 Sample From : EFFLUENT

Collected By: DMP  
 Delivery By : DMP  
 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>
07/13	1125	BXW	Chloride (as Cl)	49.9 mg/L			SM 2011 4500 Cl C	0.00	90.0 *
07/08	1135	DMP	Dissolved Oxygen	7.10 mg/L			HACH 10360 R1.2	0.00	N/A *
07/08	1135	DMP	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
07/13	1445	EJD	Solids, Total Dissolved	400.0 mg/L			SM 2011 2540 C	10.35	N/A *
07/09	0923	EJD	Sulfate (as SO4)	< 1.000 mg/L			EPA 375.4	2.60	N/A *
07/08	1640	EJD	Fecal Coliform	13.3 /100ml			06/2012 Colilert18	0.00	N/A *
07/09	1005	EJD	Nitrate + Nitrite	14.60 mg/L	(b)		HACH 10206	0.00	101.0 *

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

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

Signature



Environmental Services Co., Inc.

725W

**ENVIRONMENTAL SERVICES COMPANY, INC.**

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

**Chain of custody**

Company Name:		City of Yellville							Parameter					Turn Around				
Address:		Po Box 647							CBOD, TSS	NH3	FECAL COLI	NO3+NO2	Chloride, Sulfate, TDS				Regular	X
		Yellville, AR 72687															48 Hour	
Phone Number:		(870) 449-5210			Customer Number:												24 Hour	
Fax Number:		(870) 449-4142			Pur. Order Number:												Special:	
Location:									Lab ID Number									
Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative										
Effluent	7/7/2021 1300-1600	H2O		X		1 Quart PLASTIC	1	NONE 6 DEG CENT	X								2107010153	
Effluent	7/7/2021 1300-1600	H2O		X		8 oz PLASTIC	1	H2SO4 6 DEG CENT		X							I	
Effluent	7/8/2021 1130	H2O	X			1 Quart PLASTIC	1	NONE 6 DEG CENT				X					2107010156	
Effluent	7/8/2021 1130	H2O	X			8 oz PLASTIC	1	H2SO4 6 DEG CENT			X						I	
Effluent	7/8/2021 1120	H2O	X			100 ml PLASTIC	1	NONE 6 DEG CENT			X						I	

Sampled By: Anthony Hoyt	Date: 7/7/2021 7/8/2021	Time: 1300-1600	Relinquished By: Anthony Hoyt	Date: 7/8/2021	Time: 1120	Received by: David Pierce DAVID PIERCE	Date: 07/08/21	Time: 1120	
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	
Shipped through:								Date:	Time:
Relinquished by: David Pierce	Date: 07/08/21	Time: 1640	Received by:	Date:	Time:	Received for lab by: Janet [Signature]	Date: 7/8/21	Time: 1640	

Comments: Client wrote Relinquish time in Sample Grab times. PM 7.5/7.5 at 1135  
David Pierce sampled Grab at 1130 D.O. 7.10/7.07 at 1135

BXW

# Environmental Services Company, Inc.

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

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

Control Number: 2107010239	Composite Date: 07/14/21 - 07/14/21	Collected By: ANTHONY HOYT
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1300-1600	Delivery By : DMP
Customer/Permit No. : 3770 / ar0034037 001a	Sample Type : COMP WWATER	Work Order :
Report Date : 07/21/21	Sample From : EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>	
Analysis						Precision	Accuracy
<u>Date</u> <u>Time</u> <u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
07/16 1350 EJD	Ammonia as N, (HACH/SM)	0.05 mg/L			SM 2011 4500-NH3-G	1.90	98.4 *
07/16 1023 EJD	Solids, Total Suspended	2.50 mg/L			SM 2011 2540 D	2.51	N/A *
07/16 0620 KNM	BOD, Carbonaceous	3.2 mg/L			SM 2011 5210 B	0.00	103.0 *

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

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

Signature   
 Environmental Services Co., Inc.

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: 2107010242  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 07/19/21

Sample Date : 07/15/21  
 Sample Time : 1250  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

Collected By: DMP  
 Delivery By : DMP  
 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>
07/15	1255	DMP	Dissolved Oxygen	7.79 mg/L			HACH 10360 R1.2	0.64	N/A
07/15	1255	DMP	pH	7.8 S.U.			SM 2011 4500-H+B	0.00	N/A
07/15	1650	EJD	Fecal Coliform	14.8 /100ml			06/2012 Colilert18	0.00	N/A *
07/19	0920	EJD	Nitrate + Nitrite	10.60 mg/L	(b)		HACH 10206	1.36	98.9 *

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

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

Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.



ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

Chain of custody

Company Name:	City of Yellville		Parameter										Turn Around			
Address:	Po Box 647		CBOD, TSS	NH3	FECAL COLI	NO2+NO3									Regular	X
	Yellville, AR 72687														48 Hour	
Phone Number:	(870) 449-5210	Customer Number:													24 Hour	
Fax Number:	(870) 449-4142	Pur. Order Number:													Special:	
Location:																

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	CBOD, TSS	NH3	FECAL COLI	NO2+NO3					Lab ID Number
Effluent	7/14/2021 1300-1600	H2O		X		1 Liter PLASTIC	1	NONE 6 DEG CENT	X								2107010239
Effluent	7/14/2021 1300-1600	H2O		X		8 OZ PLASTIC	1	H2SO4 6 DEG CENT		X							I
Effluent	7/15/2021 <del>07/15/2021</del> 1250	H2O	X			8 OZ PLASTIC	1	H2SO4 6 DEG CENT				X					2107010242
Effluent	7/15/2021 1250	H2O	X			100 ML PLASTIC	1	NONE 6 DEG CENT			X						I

Sampled By: Anthony Hoyt	Date: 7/14/2021 7/15/2021	Time: 1300-1600	Relinquished By: Anthony Hoyt	Date: 7/15/2021	Time: 1300	Received by: David Piece	Date: 7/14/2021 07/15/21	Time: 1300
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Shipped through:	Date:	Time:	Relinquished by:	Date:	Time:	Received for lab by:	Date:	Time:
Relinquished by: David Piece	Date: 07/15/21	Time: 1645	Received by:	Date:	Time:	Received for lab by: Jungman Benjamin	Date: 7/15/21	Time: 1645

Comments: Fecal start 1650 EID  
 PH taken at 1255 was 7.8/7.8 S.U.  
 DO taken at 1255 was 7.79/7.74 mg/L  
 Temp taken at 1255 was 27.2/27.1°C

BXW





# Environmental Services Company, Inc.

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

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

Control Number: 2108010197  
 Customer Name : YELLEVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 08/18/21

Sample Date : 08/12/21  
 Sample Time : 1020  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

Collected By: HMK  
 Delivery By : HMK  
 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>
08/16	1120	BXW	Chloride (as Cl)	60.0 mg/L		SM 2011 4500 Cl C	0.00	100.0 *
08/12	1020	HMK	Dissolved Oxygen	7.80 mg/L		HACH 10360 R1.2	1.61	N/A *
08/12	1020	HMK	pH	6.8 S.U.		SM 2011 4500-H+B	0.00	N/A *
08/16	1440	EJD	Solids, Total Dissolved	402.0 mg/L		SM 2011 2540 C	3.35	N/A *
08/16	1028	EJD	Sulfate (as SO4)	15.000 mg/L		EPA 375.4	0.00	N/A *
08/12	1540	EJD	Fecal Coliform	866.4 /100ml	(b)	06/2012 Colilert18	0.00	N/A *
08/12	1020	HMK	Temperature (°F)	83.7 °F		SM 2000 2550 B	0.24	N/A
08/16	1501	EJD	Nitrate + Nitrite	11.20 mg/L	(c)	HACH 10206	0.00	98.9

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

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

Signature   
 Environmental Services Co., Inc.

BXW



# Environmental Services Company, Inc.

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

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

Control Number: 2109010070  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 09/13/21

Sample Date : 09/02/21  
 Sample Time : 1115  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

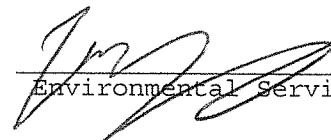
Collected By: JGK  
 Delivery By : JGK  
 Work Order :  
 Purchase Order :

<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>	<u>% Recovery</u>
09/13	1122	BXW	Chloride (as Cl)	89.9 mg/L		SM 2011 4500 Cl C	8.00	109.9
09/02	1120	JK	Dissolved Oxygen	7.40 mg/L		HACH 10360 R1.2	0.00	N/A *
09/02	1120	JK	pH	7.0 S.U.		SM 2011 4500-H+B	0.00	N/A *
09/09	1235	AKA	Solids, Total Dissolved	410.0 mg/L		SM 2011 2540 C	2.97	N/A
09/09	1157	AKA	Sulfate (as SO4)	32.000 mg/L		EPA 375.4	3.17	N/A
09/02	1120	JK	Temperature	26.40 °C		SM 2000 2550 B	0.00	N/A
09/02	1655	EJD	Fecal Coliform	131.3 /100ml		06/2012 Colilert18	0.00	N/A *
09/07	1300	BXW	Nitrate + Nitrite	9.83 mg/L		HACH 10206	17.78	97.1 *

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

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

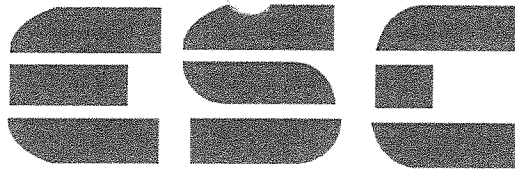
Signature



Environmental Services Co., Inc.

24

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: [www.esclabs.com](http://www.esclabs.com)



Corporate Office, Little Rock, Arkansas  
 501-221-2565  
 Carlsbad, New Mexico  
 575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters								
Client:		Yellville WW		Permit/Project #:		AR0034037				Chloride (7), Sulfate (36), TDS (27)	Fecal Coliform (43:IF)	NO3+NO2 (91)						
Address:		PO Box 647		Purchase Order #:														
		Yellville Ar 72687		Sampler Name(s):		J. Kwernschild												
Phone:		(870)449-5210		and Signature(s):														
Fax:		(870) 449-4142																
Contact:																		
ESC Client Number:		3770																
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
Final Effluent	2109010070	9/2/21	1115	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X								
		↓	↓	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X							
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input type="checkbox"/>	Special	<input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Comments: Per Stewart Oxford, record fecal temperatures below:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units						
Picked up	Temp °C	Time	Analyst	Analyst:	pH:	1120	JM	7.0	7.0									
Received by Lab				Time:	DO:	1120	JM	7.4	7.4									
				Reading:	Temp:	1120	JM	26.4	26.4									
				Units:	Fecal	1655	END											
Cool all samples to 6 degrees C.						Chlorinated? No			This Document is Page 1 of 1									

# Environmental Services Company, Inc.

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

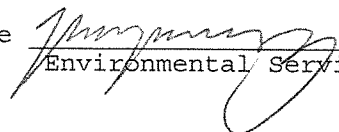
Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2109010171	Sample Date : 09/09/21	Collected By: HMK
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1232	Delivery By : HMK
Customer/Permit No. : 3770 / ar0034037 001a	Sample Type : GRAB WWATER	Work Order :
Report Date : 09/13/21	Sample From : FINAL EFFLUENT	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>
09/09	1232	HMK	Dissolved Oxygen	8.04 mg/L		HACH 10360 R1.2	0.30	N/A *
09/09	1232	HMK	pH	8.3 S.U.		SM 2011 4500-H+B	0.00	N/A *
09/09	1644	BXW	Fecal Coliform	1.0 /100ml		06/2012 Colilert18	0.00	N/A *
09/10	1400	AKA	Nitrate + Nitrite	12.60 mg/L	(b)	HACH 10206	1.90	99.6 *

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

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

Signature   
 Environmental Services Co., Inc.

*Handwritten initials*





# Environmental Services Company, Inc.

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

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

Control Number: 2110010141  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / ar0034037 001a  
 Report Date : 10/12/21

Sample Date : 10/07/21  
 Sample Time : 1240  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
10/11	1358	BXW	Chloride (as Cl)	29.9 mg/L			SM 2011 4500 Cl C	0.00	100.0
10/07	1245	WGW	Dissolved Oxygen	7.59 mg/L			HACH 10360 R1.2	0.00	N/A *
10/07	1245	WGW	pH	7.8 S.U.			SM 2011 4500-H+B	0.00	N/A *
10/11	1053	BXW	Solids, Total Dissolved	550.0 mg/L			SM 2011 2540 C	0.83	N/A *
10/11	1130	BXW	Sulfate (as SO4)	40.000 mg/L			EPA 375.4	0.00	N/A
10/07	1245	WGW	Temperature	25.50 °C			SM 2000 2550 B	0.00	N/A
10/07	1700	SLL	Fecal Coliform	< 1.0 /100ml			06/2012 Colilert18	0.00	N/A *
10/08	1215	NTR	Nitrate + Nitrite	8.66 mg/L			HACH 10206	0.39	101.2 *

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

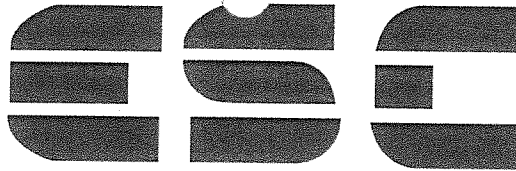
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

Handwritten mark

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

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

## CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters												
Client: Yellville WW						Permit/Project #: AR0034037					Chloride (7), Sulfate (36), TDS (27)	Fecal Coliform (43,IF)	NO3+NO2 (91)										
Address: PO Box 647						Purchase Order #:																	
Yellville Ar 72687						Sampler Name(s): <i>William Willoughby</i>																	
Phone: (870) 232-2984						and Signature(s): <i>William Willoughby</i>																	
Fax: (870) 449-4142																							
Contact: Anthony Holt						ESC Client Number: 3770																	
Sample Identification			Sample Collection			Sample Containers																	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#														
Final Effluent	<del>2110010148</del>	10/7/21	1240	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X													
	2110010140	↓	↓	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X												
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input type="checkbox"/>	Intact?	<input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>										
Comments: Per Stewart Oxford, record fecal temperatures below										FLOW DATA		Field Test		Time	Analyst	Result	Result	Units					
Picked up	Temp °C	Time	Analyst	Analyst:		pH:	1245	W6W	7.8	7.8													
Received by Lab	2.4 °C	1245	W6W	Time:		DO:	1245	W6W	7.99	7.59													
				Reading:		Temp:	1245	W6W	25.5	25.5	60												
				Units:																			
Cool all samples to 6 degrees C.										Chlorinated? No		This Document is Page 1 of 1											

# Environmental Services Company, Inc.

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

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

Control Number: 2110010244  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 10/18/21

Sample Date : 10/14/21  
 Sample Time : 1050  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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


### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
10/14	1055	WGW	Dissolved Oxygen	7.87 mg/L			HACH 10360 R1.2	0.00	N/A
10/14	1035	WGW	pH	7.3 S.U.			SM 2011 4500-H+B	0.00	N/A
10/14	1055	WGW	Temperature	22.60 °C			SM 2000 2550 B	0.00	N/A
10/14	1630	SLL	Fecal Coliform	1.0 /100ml			06/2012 Colilert18	0.00	N/A *
10/15	1205	BXW	Nitrate + Nitrite	8.51 mg/L			HACH 10206	0.91	100.0 *

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

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

Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.





# 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: 2111010122  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 12/01/21

Sample Date : 11/04/21  
 Sample Time : 1300  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

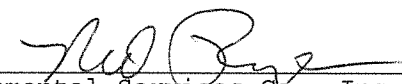
### Laboratory Analysis

<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>
11/08	1000	NTR	Chloride (as Cl)	50.0 mg/L			SM 2011 4500 Cl C	0.00	98.0
11/04	1305	JGK	Dissolved Oxygen	8.50 mg/L			HACH 10360 R1.2	0.00	N/A *
11/04	1305	JGK	pH	7.7 S.U.			SM 2011 4500-H+B	0.00	N/A *
11/08	1000	EJD	Solids, Total Dissolved	412.0 mg/L			SM 2011 2540 C	2.96	N/A
11/08	1000	NTR	Sulfate (as SO4)	20.000 mg/L			EPA 375.4	0.00	N/A
11/04	1305	JGK	Temperature	16.50 °C			SM 2000 2550 B	0.00	N/A
11/04	1730	JGK	Fecal Coliform	1.0 /100ml			06/2012 Colilert18	0.00	N/A *
11/12	1312	JNT	Nitrate + Nitrite	8.02 mg/L			HACH 10206	0.00	98.2 *

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

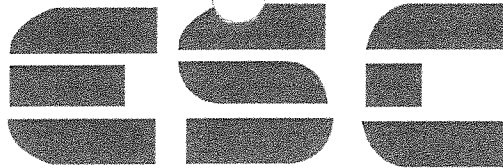
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

NY

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

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

### CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters								
Client:		Yellville WW		Permit/Project #:		AR0034037				Chloride (7), Sulfate (36), TDS (27)	Fecal Coliform (43.1F)	NO3+NO2 (91)						
Address:		PO Box 647		Purchase Order #:														
		Yellville Ar 72687		Sampler Name(s):		J. Koenrich												
Phone:		(870) 232-2984		and Signature(s):														
Fax:		(870) 449-4142		ESC Client Number:		3770												
Contact:		Anthony Holt																
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
Final Effluent	2111010122	11/4/21	1300	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X								
		I	I	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X							
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Comments: Per Stewart Oxford, record fecal temperatures below		Temp °C		Time	Analyst	FLOW DATA		Field Test	Time	Analyst	Result	Result	Units					
Picked up						Analyst:		pH:	1305	JN	7.7	7.7						
Received by Lab						Time:		DO:	1305	BK	8.5	8.5						
						Reading:		Temp:	1305	JN	16.5	16.5						
						Units:												
Cool all samples to 6 degrees C.						Chlorinated? No				This Document is Page 1 of 1								

# Environmental Services Company, Inc.

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

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

Control Number: 2111010219  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 12/01/21

Sample Date : 11/11/21  
 Sample Time : 1200  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

Collected By: DLD  
 Delivery By : DLD  
 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>
11/11	1210	DLD	Dissolved Oxygen	4.90 mg/L	(b)		HACH 10360 R1.2	2.06	N/A
11/11	1205	DLD	pH	6.6 S.U.			SM 2011 4500-H+B	0.00	N/A *
11/11	1205	DLD	Temperature	17.90 °C			SM 2000 2550 B	0.00	N/A
11/11	1630	JNT	Fecal Coliform	2.0 /100ml			06/2012 Colilert18	0.00	N/A
11/19	1000	NTR	Nitrate + Nitrite	9.29 mg/L			HACH 10206	5.26	91.9 *

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

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.

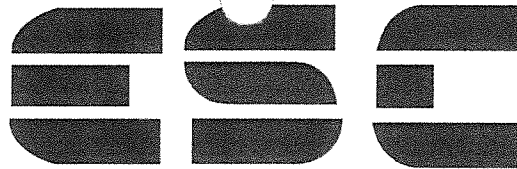
Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

158



Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: [www.esclabs.com](http://www.esclabs.com)



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

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

### CHAIN OF CUSTODY

Client Information				Project Information						Requested Parameters					
Client:		Yellville WW		Permit/Project #:		AR0034037				Fecal Coliform (43.1F) NO3+NO2 (91)					
Address:		PO Box 647		Purchase Order #:											
		Yellville Ar 72687		Sampler Name(s):		DAVID LARRU									
Phone:		(870) 232-2984		and Signature(s):											
Fax:		(870) 449-4142													
Contact:		Anthony Holt		ESC Client Number:		3770									
Sample Identification		Sample Collection				Sample Containers									
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#						
Final Effluent	211010219	11-11-21	1200	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1	X					
	211010219	11-11-21	1203	Grab	Wwater	Plastic	8 oz	H2SO4	1	X					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Comments: Per Stewart Oxford, record fecal temperatures below:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units			
Picked up	Temp °C	Time	Analyst	Analyst:		pH:	1265	DS	6.60	6.58	mg/L				
Received by Lab				Time:		DO:	1210	DS	<del>6.50</del>	<del>6.58</del>	mg/L				
				Reading:		Temp:	1205	DS	17.9	17.9	°C				
				Units:				DS							
Cool all samples to 6 degrees C.						Chlorinated? No			This Document is Page <u>1</u> of <u>1</u>						

JWT

Fecal Start 11/11/21 JWT

4.9, 4.8  
 12/11/21

# 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: 2112010064	Composite Date: 12/01/21 - 12/01/21	Collected By: ANTHONY HOYT
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1300-1600	Delivery By : WGW
Customer/Permit No. : 3770 / AR0034037 001A	Sample Type : COMP WATER	Work Order :
Report Date : 12/28/21	Sample From : EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>				
Analysis	Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
									% RPD	% Recovery
	12/23	0900	KSR	Ammonia as N, (HACH/SM)	0.14 mg/L			SM 2011 4500-NH3-G	1.84	103.0 *
	12/08	1410	AAL	Solids, Total Suspended	< 2.50 mg/L			SM 2011 2540 D	4.26	N/A *
	12/03	0630	SLL	BOD, Carbonaceous	< 2.0 mg/L			SM 2011 5210 B	0.00	114.0 *

\* 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 \_\_\_\_\_

*Ashley Greene*  
 Environmental Services Co., Inc.

*JW*

# 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: 2112010068  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 12/30/21

Sample Date : 12/02/21  
 Sample Time : 1300/1400/1500  
 Sample Type : GRAB WATER  
 Sample From : EFFLUENT

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

### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
12/15	0940	DWC	Chloride (as Cl)	40.0 mg/L			SM 2011 4500 Cl C	0.00	98.0 *
12/03	0600	NTR	Solids, Total Dissolved	416.0 mg/L			SM 2011 2540 C	0.68	N/A *
12/23	0730	NTR	Sulfate (as SO4)	10.000 mg/L			EPA 375.4	0.00	N/A
12/02	1720	WGW	Fecal Coliform	34.1 /100ml			06/2012 Colilert18	0.00	N/A *
12/13	1000	NTR	Nitrate + Nitrite	6.62 mg/L			HACH 10206	4.21	101.8 *

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

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

Signature \_\_\_\_\_

*Ashley Greene*  
 Environmental Services Co., Inc.

12/30

# ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

## Chain of custody

Company Name:	City of Yellville	<h1 style="font-size: 2em;">Sample Period One</h1>	Parameter						Turn Around		
Address:	Po Box 647		TSS(28) CBOD(70)	NH3-N(15.A)	FECAL COLI(43IF)	NO3+NO2(91)	Chloride(7) Sulfate(6) TDS(25)			Regular	X
	Yellville, AR 72687									48 Hour	
Phone Number:	(870) 449-5210		Customer Number:							24 Hour	
Fax Number:	(870) 449-4142	Pur. Order Number:							Special:		
Location:											

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	TSS(28) CBOD(70)	NH3-N(15.A)	FECAL COLI(43IF)	NO3+NO2(91)	Chloride(7) Sulfate(6) TDS(25)	Lab ID Number
Effluent <i>2112010064</i>	12/1/2021 1300-1600	H2O		X		1 LITER PLASTIC	1	NONE 6 DEG CENT	X					
Effluent <i>L</i>	12/1/2021 1300-1600	H2O		X		8 OUNCE PLASTIC	1	H2SO4 6 DEG CENT		X				
Effluent <i>2112010008</i>	12/2/2021 <i>1300</i>	H2O	X			100 ML PLASTIC	1	NONE 6 DEG CENT			X			
Effluent <i>I</i>	12/2/2021 <i>1400</i>	H2O	X			8 OUNCE PLASTIC	1	H2SO4 6 DEG CENT				X		
Effluent <i>I</i>	12/2/2021 <i>1500</i>	H2O	X			1 LITER PLASTIC	1	NONE 6 DEG CENT					X	

Sampled By: <i>Anthony Hoyt</i> <i>Anthony Hoyt</i>	Date: 12/1/2021 12/2/2021	Time: 1300-1600 <i>1400</i>	Relinquished By: <i>Anthony Hoyt</i> <i>Anthony Hoyt</i>	Date: 12/2/2021	Time: <i>1150</i>	Received by: <i>William Wiloughby</i> <i>William Wiloughby</i>	Date: 12/2/21	Time: 1150
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Shipped through:								
Relinquished by: <i>William Wiloughby</i> <i>William Wiloughby</i>	Date: 12/2/21	Time: 1700	Received by: <i>Secure walk-in cooler</i> <i>Secure walk-in cooler</i>	Date: 12/2/21	Time: 0900	Received for job by: <i>James Thornton</i> <i>James Thornton</i>	Date: 12/2/21	Time: 0900

Comments:

*WT*

# 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: 2112010177	Composite Date: 12/09/21 - 12/09/21	Collected By: RODNEY CONN
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1300-1600	Delivery By : DMP
Customer/Permit No. : 3770 / AR0034037 001A	Sample Type : COMPOSITE SAMPLE	Work Order :
Report Date : 12/22/21	Sample From : EFFLUENT	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>
12/17	1530	KSR	Ammonia as N, (HACH/SM)	0.10 mg/L			SM 2011 4500-NH3-G	1.49	98.7 *
12/17	1406	SLL	Solids, Total Suspended	< 14.90 mg/L			SM 2011 2540 D	6.13	N/A *
12/15	0855	SLL	BOD, Carbonaceous	13.3 mg/L	(b)		SM 2011 5210 B	0.00	96.0 *

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

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

Signature Ashley Greene  
 Environmental Services Co., Inc.

DN

# 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: 2112010180  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 12/15/21

Sample Date : 12/10/21  
 Sample Time : 0845  
 Sample Type : GRAB WATER  
 Sample From : EFFLUENT

Collected By: DMP  
 Delivery By : DMP  
 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>
12/10	0850	DMP	Dissolved Oxygen	9.08 mg/L			HACH 10360 R1.2	0.22	N/A
12/10	0850	DMP	pH	7.4 S.U.			SM 2011 4500-H+B	1.34	N/A
12/10	1555	DMP	Fecal Coliform	< 1.0 /100ml			06/2012 Colilert18	0.00	N/A *
12/13	1000	NTR	Nitrate + Nitrite	5.17 mg/L			HACH 10206	4.21	101.8 *

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

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

Signature \_\_\_\_\_

*Ashley Greene*  
 Environmental Services Co., Inc.

*AV*

# 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: 2112010573  
 Customer Name : YELLVILLE SEWER - INFLUENT  
 Customer Number : 3769  
 Report Date : 12/22/21

Sample Date : 12/09/21  
 Sample Time : 1645  
 Sample Type : GRAB WATER  
 Sample From : INFLUENT

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

### Laboratory Analysis

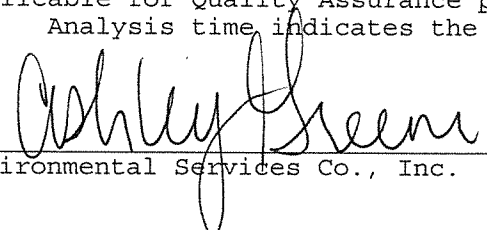
Analysis			Result	Notes	Quantity	Method
Date	Time	By	Parameter			
12/20	1400	ACL	Solids, Total Suspended			SM 2011 2540 D
12/15	0855	SLL	BOD, Carbonaceous			SM 2011 5210 B

Quality Assurance	
Precision	Accuracy
% RPD	% Recovery
0.00	N/A *
0.00	96.0 *

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

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

Signature

  
 Environmental Services Co., Inc.

*Handwritten initials*





# Environmental Services Company, Inc.

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

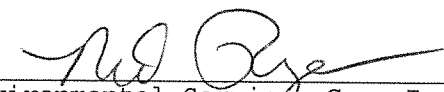
Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2201010116	Composite Date: 01/05/22 - 01/05/22	Collected By: CHRISTOPHER KNI
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1300-1600	Delivery By : DMP
Customer/Permit No. : 3770 / AR0034037 001A	Sample Type : COMPOSITE WWATER	Work Order :
Report Date : 01/19/22	Sample From : EFFLUENT	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>			
Analysis	<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>
	01/10	1730	EJC	Ammonia as N, (HACH/SM)	< 0.01 mg/L			SM 2011 4500-NH3-G	0.00	101.0 *
	01/11	0952	EJC	Solids, Total Suspended	< 4.20 mg/L			SM 2011 2540 D	1.57	N/A *
	01/07	0500	NTR	BOD, Carbonaceous	< 2.0 mg/L			SM 2011 5210 B	0.00	99.1 *

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

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

Signature   
 Environmental Services Co., Inc.

24

# Environmental Services Company, Inc.

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

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

Control Number: 2201010119  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 01/19/22

Sample Date : 01/06/22  
 Sample Time : 1430  
 Sample Type : GRAB WWATER  
 Sample From : EFFLUENT

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

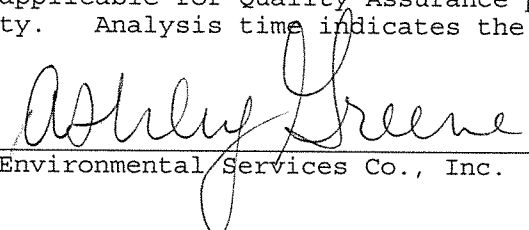
### Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/12	1545	DWC	Chloride (as Cl)	40.0 mg/L			SM 2011 4500 Cl C	0.00	93.9
01/06	1434	DMP	Dissolved Oxygen	10.23 mg/L			HACH 10360 R1.2	0.18	N/A *
01/06	1434	DMP	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
01/13	1510	EJC	Solids, Total Dissolved	208.0 mg/L			SM 2011 2540 C	13.45	N/A
01/13	1555	JNT	Sulfate (as SO4)	< 1.000 mg/L			EPA 375.4	22.22	N/A *
01/06	1917	DMP	Fecal Coliform	1.0 /100ml			06/2012 Colilert18	0.00	N/A *
01/07	1135	KSR	Nitrate + Nitrite	4.05 mg/L			HACH 10206	15.62	101.0 *

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

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

Signature

  
 Environmental Services Co., Inc.



# ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

## Chain of custody

Company Name:	City of Yellville	<h1 style="font-size: 2em;">Sample Period One</h1>	Parameter						Turn Around	
Address:	Po Box 647								Regular	X
	Yellville, AR 72687								48 Hour	
Phone Number:	(870) 449-5210								24 Hour	
Fax Number:	(870) 449-4142	Customer Number:							Special:	
Location:		Pur. Order Number:								

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	TSS(28) CBOD(70)	NH3-N(15.A)	FECAL COLI(43IF)	NO3+NO2(91)	Chloride(7) Sulfate(36) TDS(27)							Lab ID Number	
Effluent 2201010116	1/5/2022	H2O		X		1 LITER	1	NONE	X												
	1300-1600					PLASTIC		6 DEG CENT													
Effluent 2201010116	1/5/2022	H2O		X		8 OUNCE	1	H2SO4		X											
	1300-1600					PLASTIC		6 DEG CENT													
Effluent 2201010119	1/6/2022	H2O	X			100 ML	1	NONE			X										
	1430					PLASTIC		6 DEG CENT													
Effluent 2201010119	1/6/2022	H2O	X			8 OUNCE	1	H2SO4			X										
	1430					PLASTIC		6 DEG CENT													
Effluent 2201010119	1/6/2022	H2O	X			1 LITER	1	NONE				X									
	1430					PLASTIC		6 DEG CENT													

Sampled By:	Date:	Time:	Relinquished By:	Date:	Time:	Received by:	Date:	Time:
<i>Christopher Knight</i>	1/5/2022	1300-1600	<i>Christopher Knight</i>	1/6/2022	1435	<i>David Pierce</i>	01/06/22	1435
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			<i>David Pierce</i>	01/06/2022	1915	<i>Secure Walkin Code</i>	01/06/2022	1915
Shipped through:	Date:	Time:	Received by:	Date:	Time:	Received for lab by:	Date:	Time:
<i>Secure Walkin cooler</i>	1-7-22	0400				<i>Ned Ryerson</i>	1-7-22	0400

Comments: *Field Test Results: @ 1434 PH: 7.5/7.5 DO: 10.23/10.25*  
*Field Results completed by DMP. at 1/19/22*

# 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: 2201010207  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 01/19/22

Composite Date: 01/12/22 - 01/12/22  
 Sample Time : 1250-1250  
 Sample Type : COMP WWATER  
 Sample From : FINAL EFFLUENT


Collected By: TKB  
 Delivery By : TKB  
 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>
01/18	1305	ACL	Ammonia as N, (HACH/SM)	0.05 mg/L		0.07 #/day	SM 2011 4500-NH3-G	5.22	100.0 *
01/14	1215	AAC	Solids, Total Suspended	< 4.50 mg/L		5.93 #/day	SM 2011 2540 D	9.83	N/A *
01/14	0700	DWC	BOD, Carbonaceous	< 2.0 mg/L		2.64 #/day	SM 2011 5210 B	0.00	103.0 *
			Flow	0.158104 MGD					

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

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

Signature   
 Environmental Services Co., Inc.

ny

# 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: 2201010210  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 01/18/22


Sample Date : 01/13/22  
 Sample Time : 1300  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Analysis							Precision	Accuracy	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
01/13	1300	TKB	Dissolved Oxygen	10.20 mg/L		13.44 #/day	HACH 10360 R1.2	0.00	N/A *
01/13	1300	TKB	pH	8.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
01/13	1300	TKB	Temperature	6.10 °C			SM 2000 2550 B	0.00	N/A *
01/13	1640	TKB	Fecal Coliform	8.6 /100ml			06/2012 Colilert18	0.00	N/A *
01/14	1053	AAC	Nitrate + Nitrite	9.10 mg/L		11.99 #/day	HACH 10206	0.55	100.0 *
			Flow	0.158104 MGD					

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

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

Signature   
 Environmental Services Co., Inc.

108

ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501) 221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

Chain of custody

Company Name:	City of Yellville	<h1>Sample Period Two</h1>	Parameter					Turn Around	
Address:	Po Box 647		TSS(28) CBOD(70)	NH3-N(15.A)	FECAL COLI(43IF)	NO3+NO2(91)	TSS(28) CBOD(70)	Regular	X
	Yellville, AR 72687							48 Hour	
Phone Number:	(870) 449-5210		Customer Number:					24 Hour	
Fax Number:	(870) 449-4142		Pur. Order Number:					Special:	
Location:									

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	TSS(28) CBOD(70)	NH3-N(15.A)	FECAL COLI(43IF)	NO3+NO2(91)	TSS(28) CBOD(70)	Lab ID Number
Effluent 1-207	1/12/2022 1300-1600	H2O		X		1 LITER PLASTIC	1	NONE 6 DEG CENT	X					
Effluent 1	1/12/2022 1300-1600	H2O		X		8 OUNCE PLASTIC	1	H2SO4 6 DEG CENT		X				
Effluent 1-210	1/13/2022 12:50 PM	H2O	X			100 ML PLASTIC		NONE 6 DEG CENT			X			
Effluent 1	1/13/2022 12:50 PM	H2O	X			8 OUNCE PLASTIC		H2SO4 6 DEG CENT				X		

Sampled By:	Date:	Time:	Relinquished By:	Date:	Time:	Received by:	Date:	Time:
Christopher Knight	1/12/2022	1300-1600	Christopher Knight	1/13/2022	12:50 PM	Taylor Berger	1/13/22	12:50 PM

Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Shipped through:	Date:	Time:	Received by:	Date:	Time:	Received for lab by:	Date:	Time:
Taylor Berger	1/13/22	1625				Gene Coy Echo Coy	1/13/22	1625

Comments:

JM



# 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: 2202010326  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 02/25/22

Composite Date:02/16/22 -02/16/22  
 Sample Time : 1300-1600  
 Sample Type : COMP WWATER  
 Sample From : EFFLUENT

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

### Laboratory Analysis

<u>Analysis</u>			<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>
02/24	1420	AAC	Ammonia as N, (HACH/SM)	0.04 mg/L			SM 2011 4500-NH3-G	4.44	99.0 *
02/18	0850	ACL	BOD, Carbonaceous	3.3 mg/L			SM 2011 5210 B	0.00	112.0 *

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

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

Signature   
 Environmental Services Co., Inc.

*ay*



# 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: 2202010327

Sample Date : 02/17/22

Collected By: CK

Customer Name : YELLVILLE WASTEWATER

Sample Time : 1130

Delivery By : DMP

Customer/Permit No. : 3770 / AR0034037 001A

Sample Type : GRAB WWATER

Work Order :

Report Date : 02/22/22

Sample From : FINAL EFFLUENT

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>
02/17	1135	DMP	Dissolved Oxygen	9.88 mg/L			HACH 10360 R1.2	0.21	N/A *
02/17	1135	DMP	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
02/17	1635	JGK	Fecal Coliform	10.9 /100ml			06/2012 Colilert18	0.00	N/A *
02/28	1415	ACL	Nitrate + Nitrite	2.29 mg/L			HACH 10206	0.00	97.0 *

\* 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 *Jan Boston*  
 Environmental Services Co., Inc.

*WJ*

ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

Chain of custody

Company Name:		City of Yellville		<h1>Sample Period Two</h1>										Parameter					Turn Around	
Address:		Po Box 647												TSS(28) CBOD(70)					NH3-N(15-A)	
Phone Number:		Yellville, AR 72687		FECAL COLI(43IF)					NO3+NO2(91)					48 Hour						
Fax Number:		(870) 449-5210		TSS(28) CBOD(70)										24 Hour						
Location:		(870) 449-4142												Special:						
		Customer Number:												Lab ID Number						
		Pur. Order Number:												2202010326						
Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	TSS(28) CBOD(70)	NH3-N(15-A)	FECAL COLI(43IF)	NO3+NO2(91)	TSS(28) CBOD(70)							
Effluent 02-326	2/16/2022 1300-1600	H2O		X		1 LITER PLASTIC	1	NONE 6 DEG CENT	X					↓ 2202010327						
Effluent 02-326	2/16/2022 1300-1600	H2O		X		8 OUNCE PLASTIC	1	H2SO4 6 DEG CENT		X										
Effluent 02-327	2/17/2022 11:30 AM	H2O	X			100 ML PLASTIC		NONE 6 DEG CENT			X									
Effluent 02-327	2/17/2022 11:30 AM	H2O	X			8 OUNCE PLASTIC		H2SO4 6 DEG CENT				X								

Sampled By:	Date:	Time:	Relinquished By:	Date:	Time:	Received by:	Date:	Time:
Christopher Muight	2/16/2022	1300-1600	Christopher Muight	2/17/2022	11:30 AM	David Prew	2/17/2022	11:30
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			David Prew	2/17/22	1630	James J. J. 2/17		
Shipped through:								
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Received for lab by:	Date:	Time:
						James Thigpen James Thigpen	2/17/22	1630

Comments: Results: pH: 7.5/7.5 @ 1135 by DMP  
D.O.: 9.88/9.90 @ 1135 by DMP  
Fecal start: 1635 by DMP  
JGR

2

# Environmental Services Company, Inc.

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

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

Control Number: 2202010762	Composite Date: 02/22/22 - 02/22/22	Collected By: ROBERT PUGSLEY/
Customer Name : YELLVILLE WASTEWATER	Sample Time : 1600-1900/1819	Delivery By : NTR
Customer/Permit No. : 3770 / AR0034037 001A	Sample Type : COMPOSITE/GRAB	Work Order :
Report Date : 03/04/22	Sample From : 2202020111 YELLVILLE	Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
03/01	0715	NTR	Chloride (as Cl)	30.0 mg/L	150.50 #/day	SM 2011 4500 Cl C	9.53	97.9
02/28	1822	NTR	Dissolved Oxygen	10.26 mg/L	51.47 #/day	HACH 10360 R1.2	0.29	N/A
02/28	1822	NTR	pH	7.4 S.U.		SM 2011 4500-H+B	0.00	N/A
03/01	0630	NTR	Solids, Total Dissolved	320.0 mg/L	1605.33 #/day	SM 2011 2540 C	12.50	N/A
02/28	2135	NTR	Solids, Total Suspended	< 2.50 mg/L	12.54 #/day	SM 2011 2540 D	2.49	N/A *
03/01	0705	NTR	Sulfate (as SO4)	10.000 mg/L	50.17 #/day	EPA 375.4	0.00	N/A
02/28	2115	NTR	Fecal Coliform	< 1.0 /100ml		06/2012 Colilert18	0.00	N/A
03/03	0705	NTR	Nitrate + Nitrite	2.94 mg/L	14.75 #/day	HACH 10206	0.55	101.8 *
			Flow	0.602000	MGD			

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

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

Signature   
 Environmental Services Co., Inc.

12/4

# ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2565  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

### Chain of custody

Company Name:	City of Yellville	<h2>Sample Period Three</h2>	Parameter				Turn Around		
Address:	Po Box 647		NH3-N(15.A) FECAL COLI(43IF) TSS (66) CONTROL					Regular X	
	Yellville, AR 72687							48 Hour	
Phone Number:	(870) 449-5210			Customer Number:					24 Hour
Fax Number:	(870) 449-4142			Pur. Order Number:					Special:
Location:									

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	NH3-N(15.A)	FECAL COLI(43IF)	TSS (66) CONTROL	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Parameter	Lab ID Number
Effluent	2/22/2022	H2O		X		8 OUNCE	1	H2SO4	X										2202010762
	1600-1900					PLASTIC		6 DEG CENT											
Effluent <i>2-28-22</i>	<del>2/23/2022</del>	H2O	X			100 ML	1	NONE		X									
	<i>1819</i>					PLASTIC		6 DEG CENT											
Effluent	2/22/2022	H2O		X															

PH 7.4    D.O. 10.26 } 2-28-22 @ 1822 NPL  
 pH 7.4    D.O. 10.22

Sampled By: Robert Pugsley	Date: 2/22/2022	Time: 1600-1900	Relinquished By: <i>[Signature]</i>	Date: <del>2/23/2022</del> 2/28/22	Time: 1825	Received by:	Date:	Time:
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Shipped through:	Date:	Time:	Received by:	Date:	Time:	Received for lab by: <i>Red Pugsley</i>	Date: 2-28-22	Time: 1825

Comments: Springdale control number 2202020762

# 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: 2203010093  
Customer Name : YELLVILLE WASTEWATER  
Customer/Permit No. : 3770 / AR0034037 001A  
Report Date : 03/14/22

Sample Date : 03/03/22  
Sample Time : 1245  
Sample Type : GRAB WWATER  
Sample From : FINAL EFFLUENT

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

### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
03/10	1530	ACL	Chloride (as Cl)	50.0 mg/L			SM 2011 4500 Cl C	10.53	95.0 *
03/03	1250	JGK	Dissolved Oxygen	8.30 mg/L			HACH 10360 R1.2	0.00	N/A *
03/03	1250	JGK	pH	7.6 S.U.			SM 2011 4500-H+B	0.00	N/A *
03/10	1446	AAC	Solids, Total Dissolved	354.0 mg/L			SM 2011 2540 C	24.60	N/A *
03/10	1415	AAC	Sulfate (as SO4)	10.000 mg/L			EPA 375.4	0.00	N/A *
03/03	1250	JGK	Temperature	19.20 °C			SM 2000 2550 B	0.00	N/A
03/03	1715	JGK	Fecal Coliform	30.1 /100ml			06/2012 Colilert18	0.00	N/A *
03/11	1350	JNT	Nitrate + Nitrite	2.42 mg/L			HACH 10206	0.82	97.9 *

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

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

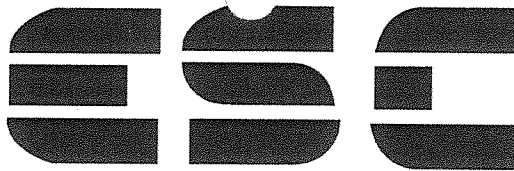
Signature \_\_\_\_\_



Environmental Services Co., Inc.

*ag*

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas...  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

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

### CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters								
Client:		Yellville WW				Permit/Project #:		AR0034037			Chloride (7), Sulfate (36), TDS (27)	Fecal Coliform (43,IF)	NO3+NO2 (91)						
Address:		PO Box 647 Yellville Ar 72687				Purchase Order #:													
Phone:		(870) 232-2984				Sampler Name(s):		J. Krenschild											
Fax:		(870) 449-4142				and Signature(s):													
Contact:		Anthony Holt				ESC Client Number:		0											
Sample Identification			Sample Collection			Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Final Effluent	2203010093	3/13/22	1245	Grab	Wwater	Plastic	1 Liter	Cool ≤6°C	1	X									
		L	L	Grab	Wwater	Plastic	100 mls	Cool ≤6°C	1		X								
				Grab	Wwater	Plastic	8 oz	H2SO4	1			X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?								
		3/13/22	1245	walk-in cooler		3/13/22	1700	Regular		<input checked="" type="checkbox"/>	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								
		3/13/22	1700	James Thornton		3/14/22	0800	Yes		<input checked="" type="checkbox"/>	No								
Comments: Per Stewart Oxford, record fecal temperatures below:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units							
	Temp °C	Time	Analyst	Analyst:	pH:	1250	JN	7.6	7.6										
	Picked up			Time:	DO:	1250	JN	8.3	8.3										
	Received by Lab			Reading:	Temp:	1250	JN	19.2	19.2										
				Units:	Fecal coliform	1710	JN												
Cool all samples to 6 degrees C.						Chlorinated? No		This Document is Page 1 of 1											

Received from secure walkin cooler

# 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: 2203010216  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 03/18/22

Composite Date: 03/10/22 - 03/10/22  
 Sample Time : 1300-1600  
 Sample Type : COMP WWATER  
 Sample From : EFFLUENT

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

### Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance	
Date	Time By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/15	153 ACL	Ammonia as N, (HACH/SM)	0.03 mg/L			SM 2011 4500-NH3-G	40.00	109.0 *
03/17	1516 AAC	Solids, Total Suspended	4.00 mg/L			SM 2011 2540 D	0.32	N/A *
03/11	0840 ACL	BOD, Carbonaceous	< 2.0 mg/L			SM 2011 5210 B	0.00	88.0 *

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

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

Signature   
 Environmental Services Co., Inc.

*Handwritten initials*

# Environmental Services Company, Inc.

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

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

Control Number: 2203010219  
 Customer Name : YELLVILLE WASTEWATER  
 Customer/Permit No. : 3770 / AR0034037 001A  
 Report Date : 03/15/22

Sample Date : 03/10/22  
 Sample Time : 1240  
 Sample Type : GRAB WWATER  
 Sample From : FINAL EFFLUENT

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

### Laboratory Analysis

Analysis							Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/10	1245	JGK	Dissolved Oxygen	8.90 mg/L			HACH 10360 R1.2	0.00	N/A *
03/10	1245	JGK	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
03/10	1245	JGK	Temperature	13.20 °C			SM 2000 2550 B	0.00	N/A *
03/10	1655	JGK	Fecal Coliform	8.9 /100ml			06/2012 Colilert18	0.00	N/A *
03/15	1323	ACL	Nitrate + Nitrite	3.61 mg/L			HACH 10206	2.06	113.0 *

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

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

Signature   
 Environmental Services Co., Inc.

*ay*



# ENVIRONMENTAL SERVICES COMPANY, INC.

Corporate Office:  
13715 W. Markam  
Little Rock, AR 72215  
Phone: (501)221-2665  
Fax: (501) 221-1341

Branch Office:  
1107 Century Ave.  
Springdale, AR 72764  
Phone: (501) 750-1170  
Fax: (501) 750-1172

### Chain of custody

Company Name:	City of Yellville	<h2 style="margin: 0;">Sample Period Two</h2>	Parameter					Turn Around	
Address:	Po Box 647		TSS(28) CBOD(70)	NH3-N(15A)	FECAL COLI(43F)	NO3+NO2(91)	TSS(28) CBOD(70)		Regular X
	Yellville, AR 72687								48 Hour
Phone Number:	(870) 449-5210		Customer Number:						24 Hour
Fax Number:	(870) 449-4142		Pur. Order Number:						Special:
Location:									

Sample Identification	Date & Time Collected	Matrix	G	C	F	Container Size & Type	No.	Preservative	TSS(28) CBOD(70)	NH3-N(15A)	FECAL COLI(43F)	NO3+NO2(91)	TSS(28) CBOD(70)						Lab ID Number
Effluent <i>2203010216</i>	3/10/2022	H2O		X		1 LITER	1	NONE	X										
	1300-1600					PLASTIC		6 DEG CENT											
Effluent <i>11</i>	3/10/2022	H2O		X		8 OUNCE	1	H2SO4		X									
	1300-1600					PLASTIC		6 DEG CENT											
Effluent <i>2203010219</i>	3/11/2022	H2O	X			100 ML		NONE			X								
						PLASTIC		6 DEG CENT											
Effluent <i>11</i>	3/11/2022	H2O	X			8 OUNCE		H2SO4				X							
						PLASTIC		6 DEG CENT											

Sampled By:	Date:	Time:	Relinquished By:	Date:	Time:	Received by:	Date:	Time:
	3/10/2022	1300-1600		3/11/2022				
	3/11/2022							
Shipped by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Shipped through:								
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Received for lab by:	Date:	Time:
<i>J. G. J. Kowalski</i>			<i>Blitzer</i>			<i>James Berube</i>	3/10/2022	1658
		1655						

Comments: