

8100 National Dr. - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

12 February 2025

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396

Project: Lagoon Discharge Sample Project Number: February 2025 SDG Number: 2502083

Enclosed are the results of analyses for samples received by the laboratory on 05-Feb-25 14:50. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	~
COC/Labels Agree	~
Received On Ice	~
Temperature on Receipt	1.0°C

Sincerely,

Norma

Norma James Technical Director

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Date Received: 05-Feb-25 14:50

### CASE NARRATIVE

Sample Delivery Group - 2502083

## Arkansas Analytical

### <u>One OR more of the qualifiers described below may appear in this report.</u> Qualifiers in <u>RED</u> apply to this SDG (Sample <u>Delivery Group)</u>.

#### FECAL COLIFORM QUALIFIERS:

 Qualifier
 Description

 FC
 The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.

 TNTC
 Too Numerous to Count

Date Received: 05-Feb-25 14:50

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagooi	2502083-01 n Discharge Grab (V 2/5/25 10:00 Water	Vynne)			
Wet Chemistry	<u>Units</u>	Result	<u>Qualifier(s)</u>	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Ammonia as N	mg/L	11.9		2/7/25 8:05	B502104	SM 4500-NH3 B,D,C-2021/EPA
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/5/25 15:35	B502101	IDEXX Colilert-18
TSS	mg/L	18.5		2/6/25 16:35	B502075	SM 2540 D-2015
CBOD	mg/L	10.4		2/7/25 6:45	B502102	SM 5210B-2016

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoon Di	2502083-02 scharge Field Analysis (AR 2/5/25 11:30 Water	Analytical)			
Field Analyses	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Dissolved Oxygen	mg/L	10.2		2/5/25 11:30	B502145	SM 4500-O G-2011
pН	S.U.	7.95		2/5/25 11:30	B502143	SM 4500-H+ B-2011
Temperature	°C	12.8		2/5/25 11:30	B502144	SM 2550B-2000

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample Project Number: February 2025 Date Received: 05-Feb-25 14:50

### QUALITY CONTROL RESULTS

	Prepared: 06	Wet Chemistry Batc Feb-25 16:35 By: MH-		35 By: MH		
Analyte	<u>BLK</u>	LCS / LCSD	<u>MS / MSD</u>	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	92.0% / 93.0%	NA / NA		1.08%	
		Wet Chemistry Bato	• •			
		5-Feb-25 15:35 By: KJ				
<u>Analyte</u>	BLK	LCS / LCSD	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	Qualifiers
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	19 MPN/100 mL	41.5%	
		Wet Chemistry Bato	h: B502102 (Water)			
	Prepared: 07-	Feb-25 06:45 By: CGF		45 By: CGF		
<u>Analyte</u>	<u>BLK</u>	LCS / LCSD	MS / MSD	Dup	<u>RPD</u>	Qualifiers
CBOD	<2.00 mg/L	126% / 130%	NA / NA		3.22%	
	Prenared: 0	Wet Chemistry Batc 7-Feb-25 08:05 By: KJ		05 By: K.I		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Ammonia as N	<0.500 mg/L	97.1% / NA	103% / 102%		0.684%	
	Prenared: 05	Field Analyses Bato 5-Feb-25 08:31 By: MH		31 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH (Field)	NA	100% / 100%	NA / NA		0.00%	
		Field Analyses Bato	h: B502144 (Water)			
	Prepared: 05	5-Feb-25 13:40 By: MH	Analyzed: 05-Feb-25 13:	40 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	<b>Qualifiers</b>
Temperature (Field)	NA	NA / NA	NA / NA	17.9 °C	1.12%	
	Prepared: 05	Field Analyses Bato Feb-25 13:40 By: MH		40 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample



Project Number: February 2025 Date Received: 05-Feb-25 14:50

### QUALIFIER(S)

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

All Analysis performed according to EPA approved methodology when available :

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

ma

Reviewed by:

Norma James Technical Director



8100 National Dr. - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

18 February 2025

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396

Project: Lagoon Discharge Sample Project Number: February 2025 SDG Number: 2502247

Enclosed are the results of analyses for samples received by the laboratory on 12-Feb-25 15:00. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	~
COC/Labels Agree	~
Received On Ice	~
Temperature on Receipt	1.0°C

Sincerely,

Norma

Norma James Technical Director

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Date Received: 12-Feb-25 15:00

### **CASE NARRATIVE**

Sample Delivery Group - 2502247

# Arkansas Analytical

### <u>One OR more of the qualifiers described below may appear in this report.</u> Qualifiers in <u>RED</u> apply to this SDG (Sample <u>Delivery Group)</u>.

#### FECAL COLIFORM QUALIFIERS:

 Qualifier
 Description

 FC
 The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.

 TNTC
 Too Numerous to Count



Project Number: February 2025 Date Received: 12-Feb-25 15:00

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoo	2502247-01 n Discharge Grab (W 2/12/25 10:00 Water	Vynne)			
Wet Chemistry	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	Date/Time Analyzed	<u>Batch</u>	Method
Ammonia as N	mg/L	12.9		2/14/25 7:57	B502268	SM 4500-NH3 B,D,C-2021/EPA
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/12/25 15:40	B502264	IDEXX Colilert-18
TSS	mg/L	17.5		2/14/25 9:15	B502263	SM 2540 D-2015
CBOD	mg/L	9.16		2/13/25 7:10	B502235	SM 5210B-2016

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoon Di	2502247-02 ischarge Field Analysis (AR 2/12/25 11:46 Water	Analytical)			
Field Analyses	<u>Units</u>	Result	<u>Qualifier(s)</u>	Date/Time Analyzed	Batch	<u>Method</u>
Dissolved Oxygen	mg/L	10.6		2/12/25 11:46	B502304	SM 4500-O G-2011
pН	S.U.	7.71		2/12/25 11:46	B502300	SM 4500-H+ B-2011
Temperature	°C	14.1		2/12/25 11:46	B502303	SM 2550B-2000

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample Project Number: February 2025 Date Received: 12-Feb-25 15:00

#### QUALITY CONTROL RESULTS

	Prepared: 13-	Wet Chemistry Bato Feb-25 07:10 By: CGF	:h: B502235 (Water) Analyzed: 13-Feb-25 07:	10 By: CGF		
Analyte	BLK		<u>MS / MSD</u>	Dup	RPD	Qualifiers
CBOD	<2.00 mg/L	120% / 125%	NA / NA		3.84%	
		Wet Chemistry Bato				
	Prepared: 14	-Feb-25 09:15 By: MH	Analyzed: 14-Feb-25 09:	15 By: MH		
Analyte	<u>BLK</u>	LCS / LCSD	<u>MS / MSD</u>	Dup	<u>RPD</u>	<b>Qualifiers</b>
TSS	<1.00 mg/L	91.0% / 95.0%	NA / NA		4.30%	
	Prepared: 12	Wet Chemistry Bato 2-Feb-25 15:40 Bv: KJ	:h: B502264 (Water) Analyzed: 12-Feb-25 15:	40 Bv: KJ		
Analyte	<u>BLK</u>	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	1 MPN/100	0.00%	
				mL		
	Droporodi 1	Wet Chemistry Bato				
Analyte	BLK	LCS / LCSD	Analyzed: 14-Feb-25 07: MS / MSD	<u>Dup</u>	RPD	Qualifiers
Ammonia as N	<0.500 mg/L	106% / NA	110% / 109%	<u></u>	0.650%	Quaimers
	Prepared: 12	Field Analyses Bato -Feb-25 08:40 By: MH	:h: B502300 (Water) Analyzed: 12-Feb-25 08:⊧	40 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH (Field)	NA	100% / 100%	NA / NA		0.00%	
		Field Analyses Bato	h: B502303 (Water)			
	Prepared: 12	-Feb-25 13:50 By: MH	Analyzed: 12-Feb-25 13:	50 By: MH		
Analyte	<u>BLK</u>	LCS / LCSD	MS / MSD	Dup	<u>RPD</u>	<b>Qualifiers</b>
Temperature (Field)	NA	NA / NA	NA / NA	17.0 °C	0.587%	
	Prepared: 12	Field Analyses Bato -Feb-25 13:50 By: MH	h: B502304 (Water) Analyzed: 12-Feb-25 13:	50 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
	NA	NA / NA	NA / NA	6.88 mg/L	1.46%	



Project Number: February 2025 Date Received: 12-Feb-25 15:00

### QUALIFIER(S)

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

All Analysis performed according to EPA approved methodology when available :

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

ma

Reviewed by:

Norma James Technical Director



8100 National Dr. Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

## **CHAIN OF CUSTODY RECORD**

CLIENT INFORM	MATION						Project Desc	ription	Turnaround Time		Preservation Codes:								
Wynne Water U	tilities						Lagoon Dischar	ge Sample	1 Day (100%)	1. Cool	ol, 6 Degrees Centigrade 4. Thiosulfate for Dechlorination					orination			
121 East Merrim	nan						Weekly Sample 2 Day (50%) 2.				ric Acid	(H <sub>2</sub> SO <sub>4</sub> )	), pH < 2			5. Hydi	rochloric	e Acid(H	Cl)
Wynne, AR 723	96						Reporting Info	ormation	3 Day (25%)	3. Nitric Acid (HNO <sub>3</sub> ), pH < 2 6. Sodium Hydroxide (NaOH), pH > 12					aOH), pH > 12				
							Telephone: 870	238-2751	5 Day (Routine)	>		TES	ТР	ARA	MET	ERS			Bottle Type Code
Attn: Josh Wear	ver						Fax: 870-238	3-2044	Preservative Code:	1	1	1,2	1,4						G = Glass; P = Plastic
						E	mail: jweaver.wwu	@gmail.com	Bottle Type:	Р	Р	Р	Р						V = Septum; A = Amber
Sampler(5) Sign	h h		Sam	pler(s)	ر Print	nted: An A/b 'TIAKX AX!				bH, D.O., rature)	CBOD, TSS	ia	Fecal Coliform						Arkansas Analytical Work Order Number:
Field	SAMPLE C	OLLECTION			Number of	Sample		SAMPLE		Field (pH, Temperat	30D,	Ammonia	cal (						20224
Number	Date/s	Time/s	Grab	Comp	Bottles	Matrix	IDENTIFI	CATION/ DESC	RIPTION	Ц Ц Ц Ц Ц	- E	An	Це						250
	2/12	IDAM	X		3	Water	Lagoon Dischar	ge Grab (Wynne	e)		Х	Х	Х						01
	2/2/2)	1146	X		0	Water	Lagoon Dischar	ge Field Analysi	s (AR Analytical)	x									02
							ONSITE MEAS	JREMENTS by	Arkansas Analyt	tical [	DATE:	2120	25						
								Sample	Duplicate	Q	с	QC Du	plicate						
							pH (S.U.)	201	979	n	1	201		Field (	Calibrat	tion Re	cord	DATE:	2/2/25
							Time	1141	1150	83	3	840		pH /		D.			Chlorine
							Temperature (°C)	14.5	14.0	B	8		a	4 1		Tir		QC	Time
							Time	1146	1150	83	G	80	2	7	,	842		1	
							Dissolved Oxygen (mg/L)	1065	1051	Qa		900	20	10	-	NELO	ha	2	
							Time	1141		84	2	840	12	82	5	-	pe	2	
1. Relinguished by	(Signature)	Date/Time	JL	2 Rec		by: (Si	gnature)	1.10	ONDITION UPON F			-		RF	MARK	S / SAI		COMM	ENTS
	. (olghature)			2. 100	erveu i	<u>oy. (or</u>	<u>gnature</u>			1									
Jarch 1	11-	2/12			1	156		1. CUSTODY SEA			3								
1	$\mathcal{N}^{\mathcal{L}}$			1	2	2/2	5	2. CONTAINERS	CORRECT:	Ye	3	No							
L_/				A		1		3. COC/LABELS A	GREE:	Ye	3	No							
3. Relinquished by	: (Signature)	Date/Time		<u>4. Rec</u>	eived l	oy lab:	(Signature)	4. RECEIVED ON	ICE:	Ye	s	No							
		1 KAD				lar	mi	5. TEMPERATUR	E ON RECEIPT:	) ℃									
1		1600				lar	19	6. TEMPERATUR	E GUN ID:	ннт#	5								
Revision 3		2/12/25	1		N	lels	son	FOR	COMPLETION BY L	LAB ON	Y								



8100 National Dr. - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

27 February 2025

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396

Project: Lagoon Discharge Sample Project Number: February 2025 SDG Number: 2502409

Enclosed are the results of analyses for samples received by the laboratory on 20-Feb-25 14:40. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	~
COC/Labels Agree	~
Received On Ice	~
Temperature on Receipt	2.0°C

Sincerely,

Norma

Norma James Technical Director

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Date Received: 20-Feb-25 14:40

### CASE NARRATIVE

Sample Delivery Group - 2502409

# Arkansas Analytical

### <u>One OR more of the qualifiers described below may appear in this report.</u> Qualifiers in <u>RED</u> apply to this SDG (Sample <u>Delivery Group)</u>.

#### FECAL COLIFORM QUALIFIERS:

 Qualifier
 Description

 FC
 The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.

 TNTC
 Too Numerous to Count

Date Received: 20-Feb-25 14:40

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoo	2502409-01 n Discharge Grab (W 2/20/25 10:30 Water	/ynne)			
Wet Chemistry	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	Date/Time Analyzed	Batch	Method
Ammonia as N	mg/L	10.3		2/21/25 7:48	B502394	SM 4500-NH3 B,D,C-2021/EPA
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/20/25 15:45	B502404	IDEXX Colilert-18
TSS	mg/L	16.5		2/24/25 10:05	B502431	SM 2540 D-2015
CBOD	mg/L	6.16		2/21/25 6:55	B502396	SM 5210B-2016

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoon D	2502409-02 Vischarge Field Analysis (AR 2/20/25 12:24 Water	Analytical)			
Field Analyses	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	Date/Time Analyzed	Batch	Method
Dissolved Oxygen	mg/L	11.3		2/20/25 12:24	B502421	SM 4500-O G-2011
pН	S.U.	7.82		2/20/25 12:24	B502419	SM 4500-H+ B-2011
Temperature	°C	4.9		2/20/25 12:24	B502420	SM 2550B-2000

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample Project Number: February 2025 Date Received: 20-Feb-25 14:40

### QUALITY CONTROL RESULTS

	Prepared: 21	Wet Chemistry Batc -Feb-25 07:48 By: KJ		':48 Bv: KJ		
<u>Analyte</u> Ammonia as N	= 10parod 2 BLK <0.500 mg/L	<u>LCS / LCSD</u> 104% / NA	<u>MS / MSD</u> 109% / 105%	<u>Dup</u>	<u>RPD</u> 3.34%	Qualifiers
	Proparod: 21.1	Wet Chemistry Batc Feb-25 06:55 By: CGF /		:55 By: CGE		
Analyte	BLK	LCS / LCSD	MS / MSD	<u>Dup</u>	RPD	Qualifiers
CBOD	<2.00 mg/L	117% / 119%	NA / NA		1.25%	
	Prepared: 20	Wet Chemistry Batc )-Feb-25 15:45 By: KJ /		i:45 By: KJ		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	ND MPN/100 mL	200%	
	Prepared: 20	Field Analyses Batc -Feb-25 08:47 By: MH ,		:47 By: MH		
Analyte	<u>BLK</u>	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH (Field)	NA	101% / 101%	NA / NA		0.00%	
	Prepared: 20	Field Analyses Batc -Feb-25 14:25 By: MH /		:25 By: MH		
Analyte	<u>BLK</u>	LCS / LCSD	MS / MSD	<u>Dup</u>	RPD	Qualifiers
Temperature (Field)	NA	NA / NA	NA / NA	10.7 °C	1.85%	
	Prepared: 20	Field Analyses Batc -Feb-25 14:25 By: MH /		:25 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	8.19 mg/L	1.21%	
	Prepared: 24	Wet Chemistry Batc -Feb-25 10:05 By: MH /	• •	:05 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Analyte						

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample



Project Number: February 2025 Date Received: 20-Feb-25 14:40

### QUALIFIER(S)

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

All Analysis performed according to EPA approved methodology when available :

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

ma

Reviewed by:

Norma James Technical Director



8100 National Dr. Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

## **CHAIN OF CUSTODY RECORD**

CLIENT INFORM	IATION						Project Desc	cription	Turnaround Time					Pres	ervatio	on Code	s:		
Wynne Water Ut	tilities						Lagoon Dischar	ge Sample	1 Day (100%)	1. Cool	, 6 Degr	ees Centi	grade			4. Thio	sulfate f	or Dechl	orination
121 East Merrim	an						Weekly Sa	Imple	2 Day (50%)	2. Sulfu	iric Acid	(H <sub>2</sub> SO <sub>4</sub> )	, pH < 2			5. Hyd	rochlori	c Acid(H	CI)
Wynne, AR 7239	96						Reporting Info	ormation	3 Day (25%)	3. Nitri	c Acid (	HNO3), p	0H < 2			6. Sodiı	ım Hydr	oxide (N	aOH), pH > 12
							Telephone: 870	-238-2751	5 Day (Routine)	>		TES	ТР	ARA	MET	ERS	1	1	Bottle Type Code
Attn: Josh Weav	/er						Fax: 870-23	8-2044	Preservative Code:	1	1	1,2	1,4						G = Glass; P = Plastic
						E	mail: <b>jweaver.ww</b> u	u@gmail.com	Bottle Type:	Р	Р	Р	Р						V = Septum; A = Amber
Sampler(s) Sign	d Wa ature	, <	9 Samı	oler(s)	ر) os Print	ト ん ed:	Jecuar MAHS	HABDA	a/	Field (pH, D.O., Temperature)	CBOD, TSS	ia.	Fecal Coliform						Arkansas Analytical Work Order Number:
Field	SAMPLE C	OLLECTION			Number			SAMPLE		ld (p	OD,	Ammonia	cal C						
Number	Date/s	Time/s	Grab	Comp	of Bottles	Sample Matrix	IDENTIF	ICATION/ DESC	RIPTION	Fie Ter	CB	Am	Fec						2502401
	2/20	1030	x		3	Water	Lagoon Dischar	ge Grab (Wynne	e)		х	х	х						01
	22025	1224	x		0	Water	Lagoon Dischar	ge Field Analysi	s (AR Analytical)	х									02
							ONSITE MEAS	UREMENTS by	Arkansas Analyi	tical [	DATE	nai	25						
								Sample	Duplicate	Q		QC Du							
							pH (S.U.)		789	706		706		Field (	alibra	tion Re	cord		2/20/28
								100	Inne	84		840	2	pH /		D.			Chlorine
							Time	. 0	116		8	19:	5	<u>рп /</u>	Time				
							Temperature (°C)		7.0	84		11.	2	4				QC	Time
							Time Dissolved Oxygen		1225	04	/	90	0	7	1	84	0	1	
							(mg/L)	1132	1144	717	/	1.0	72	10	2	Slo	ope	2	
I		1					Time	1224	1229	84	0	84		84				- Adda	
1. Relinquished by	: (Signature)	Date/Time		<u>2. Rec</u>	eived	by: (Si	<u>gnature)</u>	SAMPLE C	ONDITION UPON I	RECEIP	IN LA	3		RE	MARK	(S/SA	MPLE	COMM	ENTS
// 1		2/20	÷		(2	24		1. CUSTODY SEA	ALS:	Ye	s	No							
faith		-720		1	91		-	2. CONTAINERS	CORRECT:	Ye	s	No							
V W		*		K	F	T		3. COC/LABELS A	AGREE:	Ye	s	No							
3. Relinguished by:	: (Signature)	Date/Time		4. Rec	eived l	by lab:	(Signature)	4. RECEIVED ON	ICE:	Ye		No							
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N		1440				J	ami	6. TEMPERATUR	E GUN ID:	HHT#	5								
Revision 3 1/4/16	2	2/20/25	-			Ne	Ison	FOR	COMPLETION BY	LAB ON	LY								



8100 National Dr. - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

05 March 2025

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396

Project: Lagoon Discharge Sample Project Number: February 2025 SDG Number: 2502539

Enclosed are the results of analyses for samples received by the laboratory on 26-Feb-25 15:45. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	~
COC/Labels Agree	~
Received On Ice	~
Temperature on Receipt	3.0°C

Sincerely,

Norma

Norma James Technical Director

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Date Received: 26-Feb-25 15:45

### **CASE NARRATIVE**

Sample Delivery Group - 2502539

# Arkansas Analytical

### <u>One OR more of the qualifiers described below may appear in this report.</u> Qualifiers in <u>RED</u> apply to this SDG (Sample <u>Delivery Group)</u>.

### FECAL COLIFORM QUALIFIERS:

 Qualifier
 Description

 FC
 The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.

 TNTC
 Too Numerous to Count

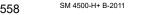
Date Received: 26-Feb-25 15:45

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoo	2502539-01 n Discharge Grab (V 2/26/25 11:30 Water	Vynne)			
Wet Chemistry	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Ammonia as N	mg/L	8.60		3/3/25 13:31	B503007	SM 4500-NH3 B,D,C-2021/EPA
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/26/25 16:00	B502523	IDEXX Colilert-18
TSS	mg/L	34.8		2/27/25 16:15	B502509	SM 2540 D-2015
CBOD	mg/L	11.7		2/27/25 6:50	B502510	SM 5210B-2016

### ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	Lagoon D	2502539-02 ischarge Field Analysis (AR 2/26/25 11:21 Water	Analytical)			
Field Analyses	<u>Units</u>	Result	<u>Qualifier(s)</u>	Date/Time Analyzed	Batch	<u>Method</u>
Dissolved Oxygen	mg/L	12.8		2/26/25 11:21	B502560	SM 4500-O G-2011
pН	S.U.	8.53		2/26/25 11:21	B502558	SM 4500-H+ B-2011
Temperature	°C	14.9		2/26/25 11:21	B502559	SM 2550B-2000





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### QUALITY CONTROL RESULTS

	Propared: 27	Wet Chemistry Bato Feb-25 16:15 By: MH-		15 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	93.0% / 96.0%	NA / NA		3.17%	duamore
	Proparod: 27-	Wet Chemistry Bato Feb-25 06:45 By: CGF		45 By: CGE		
Analyte	BLK	LCS / LCSD	MS / MSD	<u>Dup</u>	RPD	Qualifiers
CBOD	<2.00 mg/L	129% / 128%	NA / NA		1.14%	
	Prepared: 20	Wet Chemistry Bato 6-Feb-25 15:30 By: KJ		30 By: KJ		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	1 MPN/100 mL	102%	
<u>Analyte</u> pH (Field)	Prepared: 26 <u>BLK</u> NA	Field Analyses Batc 5-Feb-25 07:58 By: MH LCS / LCSD 101% / 101%		58 By: MH <u>Dup</u>	<u>RPD</u> 0.00%	Qualifiers
					0.0070	
	Prepared: 26	Field Analyses Batc Feb-25 14:29 By: MH-		29 By: MH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Temperature (Field)	NA	NA / NA	NA / NA	19.9 °C	1.01%	
	Proparod: 26	Field Analyses Bato 5-Feb-25 14:29 By: MH		29 By: MH		
Analyte	BLK	<u>LCS / LCSD</u>	MS / MSD	<u>Dup</u>	RPD	Qualifiers
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	4.70 mg/L	2.31%	
	Prepared: 0	Wet Chemistry Bato 3-Mar-25 08:47 By: KJ		47 By: KJ		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Ammonia as N	<0.500 mg/L	97.8% / NA	101% / 100%		0.191%	

Josh Weaver Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Project: Lagoon Discharge Sample



Project Number: February 2025 Date Received: 26-Feb-25 15:45

### QUALIFIER(S)

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

All Analysis performed according to EPA approved methodology when available :

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

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Reviewed by:

Norma James Technical Director

							8				1		01/1/1
				ONLY	BY LAB ONLY	FOR COMPLETION E	FOR				2/26/20		Revision 3
				Γ# <b>γ</b>	HHT#	re gun ID:	6. TEMPERATURE GUN ID:		Nelson		1545	)	X
				2°C		TEMPERATURE ON RECEIPT:	5. TEMPERATUR		20				
			No	Yes _	1	I ICE:	4. RECEIVED ON ICE:		Received by lab: (Signature)	4. R	Date/Time		3. Relinquished by: (Signature)
			No	_Yes _	+	AGREE:	3. COC/LABELS AGREE:		11				$\checkmark$
			No	_Yes	+	CORRECT:	2. CONTAINERS CORRECT:		12012	~			11/1.
			No	_Yes _	<	ALS:	1. CUSTODY SEALS:		132		2/24	{	1 Lak
REMARKS / SAMPLE COMMENTS	REMA		LAB	ON RECEIPT IN LAB	IN REC	SAMPLE CONDITION UPC	SAMPLE C	nature)	2. Received by: (Signature)	<u>2.</u> R	Date/Time		1. Relinguished by: (Signature)
	783	N	21	hic		1125	112/	Time					
Slope 2	10	43	2	857	00	1224	1283	Dissolved Oxygen (mg/L)					
714 1	7	8	25	757	V	1/25	1/21	Time					
Time QC Time	4	2	[]	7.4	1	8.41	14.9	Temperature (°C)					
e D.O. Chlorine	pH / Time	Ø.	Z	S	V	1125	12	Time					
Field Calibration Record DATE:7/2600	Field Calib	104	2	704		Sug	83	pH (S.U.)					
		QC Duplicate	âc	QC		Duplicate	Sample			-			
		3/26px	E: 2/2	DAT	alytical	Arkansas Ana	JREMENTS by	ONSITE MEASUREMENTS by Arkansas Analytical DATE:					
			-										
02				×		is (AR Analyti	ge Field Analys	Water Lagoon Discharge Field Analysis (AR Analytical)	0 Water	×	1121	2,26,25	
01		×	××			e)	ge Grab (Wynn	Water Lagoon Discharge Grab (Wynne)	3 Water	×	11:30	2/26	
25027					Fie	CRIPTION	<b>IDENTIFICATION/ DESCRIPTION</b>	IDENTIFI	of Sample p Bottles Matrix	Grab Comp	Time/s	Date/s	Number
2220		mon			ld (p		SAMPLE		ber		LLECTION	SAMPLE COLLECTION	Field
Order Number:		olifor	TSS	ature	H, D.		HADDADA	K.	Sampler(s) Printed:	ampler(		natule -	Sampler(s) Signature
Arkansas Analytical Work		m			O.,		Wear		$\sim$			h fu	) the
V = Septum; A = Amber		P	ף ק	<del>م</del>		Bottle Type:	@gmail.com	Email: jweaver.wwu@gmail.com					
G = Glass; P = Plastic		2 1,4	1 1,2	<u> </u>		Preservative Code:	3-2044	Fax: 870-238-2044				ver	Attn: Josh Weaver
ETERS Bottle Type Code	PARAME	TEST	ΤE		V	5 Day (Routine)	238-2751 (	Telephone: 870-238-2751					
6. Sodium Hydroxide (NaOH), pH > 12		), pH < 2	Nitric Acid (HNO <sub>3</sub> ), pH < 2	Nitric A		3 Day (25%)	ormation	<b>Reporting Information</b>				96	Wynne, AR 72396
5. Hydrochloric Acid(HCl)	2	0,), pH <	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2	Sulfuric	2.	2 Day (50%)	mple	Weekly Sample				nan	121 East Merriman
4. Thiosulfate for Dechlorination		entigrade	Cool, 6 Degrees Centigrade	Cool, 6 I	1.	1 Day (100%)	ge Sample	Lagoon Discharge Sample				tilities	Wynne Water Utilities
Preservation Codes:	Preserva				me	Turnaround Time	ription	Project Description				MATION	<b>CLIENT INFORMATION</b>
									PHONE: 501-455-6118 FAX: 501-455-6118	PHONE: 501-455-6118 FAX: 501-455-6118	FAX:	Inc.	
F CUSTODY RECORD	ÖD.	S T			0	CHAIN	C I I		Little Rock, AR 72209	Little Rock, AR 7	Little	Arkansas Analytical	Arkansas