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501-455-3233 Fax 501-455-6118

21 March 2024

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

Project: Lagoon Discharge Sample

Project Number: March 2024

SDG Number: 2403302

Enclosed are the results of analyses for samples received by the laboratory on 13-Mar-24 13:57. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

<u>Custody Seals</u>	✓
<u>Containers Correct</u>	✓
<u>COC/Labels Agree</u>	✓
<u>Received On Ice</u>	✓
Temperature on Receipt	3.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

Norma James
Technical Director

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Date Received: 13-Mar-24 13:57

ANALYTICAL RESULTS

Lab Number: 2403302-01
Sample Name: Lagoon Discharge Grab (Wynne)
Date/Time Collected: 3/13/24 10:30
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Ammonia as N	mg/L	10.0		3/15/24 8:19	B403343	SM 4500-NH3 B,D,C-2011
Fecal Coliforms	MPN/100 mL	1700		3/13/24 15:25	B403334	IDEXX Colilert-18
TSS	mg/L	22.0		3/15/24 10:05	B403346	SM 2540 D-2015
CBOD	mg/L	4.02		3/15/24 7:13	B403336	SM 5210B-2016

ANALYTICAL RESULTS

Lab Number: 2403302-02
Sample Name: Lagoon Discharge Field Analysis (AR Analytical)
Date/Time Collected: 3/13/24 10:40
Sample Matrix: Water

<u>Field Analyses</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Dissolved Oxygen	mg/L	6.01		3/13/24 10:43	B403426	SM 4500-O G-2011
pH	S.U.	7.62		3/13/24 10:43	B403422	SM 4500-H+ B-2011
Temperature	°C	16.9		3/13/24 10:43	B403425	SM 2550B-2000

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QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B403334 (Water)

Prepared: 13-Mar-24 15:25 By: KJ -- Analyzed: 13-Mar-24 15:25 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	4 MPN/100 mL	68.8%	

Wet Chemistry -- Batch: B403336 (Water)

Prepared: 15-Mar-24 07:13 By: MB -- Analyzed: 15-Mar-24 07:13 By: KD

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
CBOD	<2.00 mg/L	114% / 100%	NA / NA		13.2%	

Wet Chemistry -- Batch: B403343 (Water)

Prepared: 15-Mar-24 08:19 By: KJ -- Analyzed: 15-Mar-24 08:19 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Ammonia as N	<0.500 mg/L	84.5% / NA	77.2% / 73.5%		4.10%	

Wet Chemistry -- Batch: B403346 (Water)

Prepared: 15-Mar-24 10:05 By: MH -- Analyzed: 15-Mar-24 10:05 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
TSS	<1.00 mg/L	96.0% / 94.0%	NA / NA		2.11%	

Field Analyses -- Batch: B403422 (Water)

Prepared: 13-Mar-24 07:32 By: MH -- Analyzed: 13-Mar-24 07:32 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
pH (Field)	NA	101% / 101%	NA / NA		0.00%	

Field Analyses -- Batch: B403425 (Water)

Prepared: 13-Mar-24 12:29 By: MH -- Analyzed: 13-Mar-24 12:29 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Temperature (Field)	NA	NA / NA	NA / NA	20.9 °C	0.00%	

Field Analyses -- Batch: B403426 (Water)

Prepared: 13-Mar-24 12:29 By: MH -- Analyzed: 13-Mar-24 12:29 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	7.88 mg/L	0.892%	

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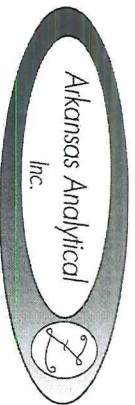


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All Analysis performed according to EPA approved methodology when available :
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

A handwritten signature in blue ink that reads "Norma James". The signature is written in a cursive style and is positioned above a horizontal line.

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 INFORMATION				Project Description				Preservation Codes:			
Wynne Water Utilities 121 East Merriman Wynne, AR 72396 Attn: Josh Weaver Email: jweaver.wwu@gmail.com Telephone: 870-238-2751 Fax: 870-238-2044				Lagoon Discharge Sample Weekly Sample Reporting Information Telephone: 870-238-2751 Fax: 870-238-2044 Bottle Type:				1. Cool, 6 Degrees Centigrade 2. Sulfuric Acid (H ₂ SO ₄), pH < 2 3. Nitric Acid (HNO ₃), pH < 2 4. Thiosulfate for Dechlorination 5. Hydrochloric Acid(HCl) 6. Sodium Hydroxide (NaOH), pH > 12			
Sampler(s) Signature: <i>Josh Weaver</i> Sampler(s) Printed: <i>Josh Weaver</i>				Turnaround Time 1 Day (100%) 2 Day (50%) 3 Day (25%) 5 Day (Routine)				TEST PARAMETERS Field (pH, D.O., Temperature) CBOD, TSS Ammonia Fecal Coliform			
Field Number	SAMPLE COLLECTION Dates/Times	Grab	Number of Bottles	Sample Matrix	IDENTIFICATION/ DESCRIPTION	Field (pH, D.O., Temperature)	CBOD, TSS	Ammonia	Fecal Coliform	Chlorine	
	3/13 1030	X	3	Water	Lagoon Discharge Grab (Wynne)	X	X	X	X	01	
	3/13/24 1040	X	0	Water	Lagoon Discharge Field Analysis (AR Analytical)	X				02	
ONSITE MEASUREMENTS by Arkansas Analytical -- DATE: 3/13/24											
Sample	Duplicate	QC	QC Duplicate	pH (S.U.)	7.62	7.64	7.05	7.65			
				Time	1043	1044	0731	0732			
				Temperature (°C)	16.9	16.9	21.1	21.4			
				Time	1043	1044	0731	0732			
				Dissolved Oxygen (mg/L)	6.01	5.93	8.70	8.70			
				Time	1043	1045	0747	0749			
SAMPLE CONDITION UPON RECEIPT IN LAB 1. CUSTODY SEALS: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 2. CONTAINERS CORRECT: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 3. COC/LABELS AGREE: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 4. RECEIVED ON ICE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 5. TEMPERATURE ON RECEIPT: 3 °C 6. TEMPERATURE GUN ID: NHH HHT# 5											
1. Relinquished by: (Signature) <i>Josh Weaver</i> Date/Time 3/13 2. Received by: (Signature) <i>Josh Weaver</i> Date/Time 3/13/24 1040 3. Relinquished by: (Signature) <i>Josh Weaver</i> Date/Time 3/13/24 1357 4. Received by lab: (Signature) <i>Howard</i> Revision 3 4446											
REMARKS / SAMPLE COMMENTS Field Calibration Record -- DATE: 3/13/24 pH / Time D.O. Chlorine 4 0727 1 7 0729 0747 1 10 0729 929 2											