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27 February 2024

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

Project: Lagoon Discharge Sample
Project Number: February 2024
SDG Number: 2402481

Enclosed are the results of analyses for samples received by the laboratory on 21-Feb-24 15:00. 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	2.0°C

Sincerely,

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

Norma James
Technical Director

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ANALYTICAL RESULTS

Lab Number: 2402481-01
Sample Name: Lagoon Discharge Grab (Wynne)
Date/Time Collected: 2/21/24 10:00
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	9.62		2/23/24 8:06	B402516	SM 4500-NH3 B,D,C-2011
Fecal Coliforms	MPN/100 mL	610		2/21/24 15:25	B402506	IDEXX Colilert-18
TSS	mg/L	6.50		2/22/24 14:30	B402502	SM 2540 D-2015
CBOD	mg/L	3.44		2/22/24 7:00	B402472	SM 5210B-2016

ANALYTICAL RESULTS

Lab Number: 2402481-02
Sample Name: Lagoon Discharge Field Analysis (AR Analytical)
Date/Time Collected: 2/21/24 11:40
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	7.19		2/21/24 11:40	B402546	SM 4500-O G-2011
pH	S.U.	7.07		2/21/24 11:40	B402544	SM 4500-H+ B-2011
Temperature	°C	13.6		2/21/24 11:40	B402545	SM 2550B-2000



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QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B402472 (Water)

Prepared: 22-Feb-24 07:00 By: MB -- Analyzed: 22-Feb-24 07:00 By: KD

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
CBOD	<2.00 mg/L	115% / 106%	NA / NA		8.00%	

Wet Chemistry -- Batch: B402502 (Water)

Prepared: 22-Feb-24 14:30 By: MH -- Analyzed: 22-Feb-24 14:30 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	95.0% / 89.0%	NA / NA		6.52%	

Wet Chemistry -- Batch: B402506 (Water)

Prepared: 21-Feb-24 15:25 By: KJ -- Analyzed: 21-Feb-24 15:25 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%	

Wet Chemistry -- Batch: B402516 (Water)

Prepared: 23-Feb-24 08:06 By: KJ -- Analyzed: 23-Feb-24 08:06 By: KJ

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Ammonia as N	<0.500 mg/L	85.2% / NA	97.1% / 93.7%		3.20%	

Field Analyses -- Batch: B402544 (Water)

Prepared: 23-Feb-24 09:43 By: MH -- Analyzed: 23-Feb-24 09:43 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH (Field)	NA	100% / 101%	NA / NA		0.427%	

Field Analyses -- Batch: B402545 (Water)

Prepared: 21-Feb-24 13:50 By: MH -- Analyzed: 21-Feb-24 13:50 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Temperature (Field)	NA	NA / NA	NA / NA	15.4 °C	0.651%	

Field Analyses -- Batch: B402546 (Water)

Prepared: 21-Feb-24 13:50 By: MH -- Analyzed: 21-Feb-24 13:50 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	8.12 mg/L	0.370%	

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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

