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22 February 2024

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

Project: Lagoon Discharge Sample  
Project Number: February 2024  
SDG Number: 2402342

Enclosed are the results of analyses for samples received by the laboratory on 14-Feb-24 15:20. 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".

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Norma James  
Technical Director

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**CASE NARRATIVE**

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Sample Delivery Group – 2402342

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

**FECAL COLIFORM QUALIFIERS:**

<u>Qualifier</u>	<u>Description</u>
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

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**ANALYTICAL RESULTS**

Lab Number: 2402342-01  
Sample Name: Lagoon Discharge Grab (Wynne)  
Date/Time Collected: 2/14/24 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	11.7		2/16/24 8:12	B402364	SM 4500-NH3 B,D,C-2011
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/14/24 15:55	B402345	IDEXX Colilert-18
TSS	mg/L	6.50		2/16/24 9:45	B402363	SM 2540 D-2015
CBOD	mg/L	5.62		2/16/24 6:58	B402355	SM 5210B-2016

**ANALYTICAL RESULTS**

Lab Number: 2402342-02  
Sample Name: Lagoon Discharge Field Analysis (AR Analytical)  
Date/Time Collected: 2/14/24 11:50  
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	8.87		2/14/24 11:50	B402411	SM 4500-O G-2011
pH	S.U.	7.54		2/14/24 11:50	B402408	SM 4500-H+ B-2011
Temperature	°C	11.4		2/14/24 11:50	B402410	SM 2550B-2000

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**QUALITY CONTROL RESULTS**

**Wet Chemistry -- Batch: B402345 (Water)**

Prepared: 14-Feb-24 15:55 By: KJ -- Analyzed: 14-Feb-24 15:55 By: KJ

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	160 MPN/100 mL	12.8%	

**Wet Chemistry -- Batch: B402355 (Water)**

Prepared: 16-Feb-24 06:58 By: MB -- Analyzed: 16-Feb-24 06:58 By: KD

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
CBOD	<2.00 mg/L	115% / 112%	NA / NA		2.58%	

**Wet Chemistry -- Batch: B402363 (Water)**

Prepared: 16-Feb-24 09:45 By: MH -- Analyzed: 16-Feb-24 09:45 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	87.0% / 91.0%	NA / NA		4.49%	

**Wet Chemistry -- Batch: B402364 (Water)**

Prepared: 16-Feb-24 08:12 By: KJ -- Analyzed: 16-Feb-24 08:12 By: KJ

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Ammonia as N	<0.500 mg/L	87.2% / NA	91.7% / 93.5%		1.98%	

**Field Analyses -- Batch: B402408 (Water)**

Prepared: 14-Feb-24 09:23 By: MH -- Analyzed: 14-Feb-24 09:23 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH (Field)	NA	100% / 99.9%	NA / NA		0.286%	

**Field Analyses -- Batch: B402410 (Water)**

Prepared: 14-Feb-24 10:55 By: MH -- Analyzed: 14-Feb-24 10:55 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Temperature (Field)	NA	NA / NA	NA / NA	9.70 °C	1.03%	

**Field Analyses -- Batch: B402411 (Water)**

Prepared: 14-Feb-24 10:55 By: MH -- Analyzed: 14-Feb-24 10:55 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	6.21 mg/L	0.323%	

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**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

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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

