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02 April 2024

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

Project: Lagoon Discharge Sample
Project Number: March 2024
SDG Number: 2403649

Enclosed are the results of analyses for samples received by the laboratory on 27-Mar-24 14:53. 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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ANALYTICAL RESULTS

Lab Number: 2403649-01
Sample Name: Lagoon Discharge Grab (Wynne)
Date/Time Collected: 3/27/24 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	9.74		4/1/24 8:15	B404006	SM 4500-NH3 B,D,C-2011
Fecal Coliforms	MPN/100 mL	2000		3/27/24 15:40	B403663	IDEXX Colilert-18
TSS	mg/L	24.5		3/28/24 16:15	B403629	SM 2540 D-2015
CBOD	mg/L	4.39		3/28/24 7:59	B403639	SM 5210B-2016

ANALYTICAL RESULTS

Lab Number: 2403649-02
Sample Name: Lagoon Discharge Field Analysis (AR Analytical)
Date/Time Collected: 3/27/24 11:30
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	6.99		3/27/24 11:30	B404023	SM 4500-O G-2011
pH	S.U.	7.31		3/27/24 11:30	B404021	SM 4500-H+ B-2011
Temperature	°C	15.1		3/27/24 11:30	B404022	SM 2550B-2000

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QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B403629 (Water)

Prepared: 28-Mar-24 16:15 By: MH -- Analyzed: 28-Mar-24 16:15 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	102% / 102%	NA / NA		0.00%	

Wet Chemistry -- Batch: B403639 (Water)

Prepared: 28-Mar-24 07:59 By: MB -- Analyzed: 28-Mar-24 07:59 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	102% / 105%	NA / NA		3.12%	

Wet Chemistry -- Batch: B403663 (Water)

Prepared: 27-Mar-24 15:40 By: KJ -- Analyzed: 27-Mar-24 15:40 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	3 MPN/100 mL	200%	

Wet Chemistry -- Batch: B404006 (Water)

Prepared: 01-Apr-24 08:15 By: KJ -- Analyzed: 01-Apr-24 08:15 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	104% / NA	107% / 104%		2.44%	

Field Analyses -- Batch: B404021 (Water)

Prepared: 27-Feb-24 09:10 By: MH -- Analyzed: 27-Feb-24 09:10 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: B404022 (Water)

Prepared: 27-Mar-24 13:35 By: MH -- Analyzed: 27-Mar-24 13:35 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	16.0 °C	0.627%	

Field Analyses -- Batch: B404023 (Water)

Prepared: 27-Mar-24 13:35 By: MH -- Analyzed: 27-Mar-24 13:35 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	7.10 mg/L	0.423%	

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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

