

Phone 870-238-2751

121 Merriman

WYNNE WATER UTILITIES
WYNNE, ARKANSAS
72396

Date: March 15, 2013

Arkansas Department of Environmental Quality
NPDES Enforcement Section
5301 Northshore Dr.
North Little Rock, AR 72219-5317

Client: Wynne Water Utilities
Address: 121 E. Merriman
City: Wynne
State: Arkansas
Zip: 72396
Phone: 870-238-2751
Contact: Don O'Neal

To Whom It May Concern:

Field #2 at this time has not been used for any land application.

Yours truly,

A handwritten signature in cursive script that reads "Don O'Neal". The signature is written in black ink and is positioned below the typed name.

Don O'Neal, General Manager



**SORRELLS RESEARCH
LABORATORY AND FIELD SERVICES**

WEF



CHEMISTS
ECOLOGISTS
CONSULTANTS
PLANNERS

8100 National Drive
Little Rock, Arkansas 72209

Phone 501-562-8139
Fax 501-562-7025
Toll Free 1-800-331-8139

LABORATORY ANALYSIS

Date of Report: March 12, 2013
Date Received : February 20, 2013

For: WYNNE WATER UTILITIES
121 EAST MERRIMAN
WYNNE, AR 72396-

Job: NPDES MONITORING PERMIT NO: AR0021903

Sample From: FIELD #1 / ANNUAL SOIL ANALYSIS / 503 REG

ANALYTE	RESULT	UNITS	METHOD
Nitrate as N, NO3-N	48.700	mg/kg	4110 B
Phosphorus, total	802.800	mg/kg	4500 E
Arsenic, As	0.790	mg/kg	200.8
Copper, Cu	45.500	mg/kg	200.8
Mercury, Hg	<	0.001 mg/kg	200.8
Selenium, Se	3.760	mg/kg	200.8
pH <-H+>	5.870	units	4500 B
Cation Exchange Capacity (CEC)	10.100	meq/100 gm	9081
Specific conductance	62.500	uS/cm	120.1
Potassium, K	675.500	mg/kg	200.8
Magnesium, Mg	834.400	mg/kg	200.8
Cadmium, Cd	<	0.001 mg/kg	200.8
Lead, Pb	0.004	mg/kg	200.8
Nickel, Ni	4.650	mg/kg	200.8
Zinc, Zn	114.300	mg/kg	200.8
Metals, Digestion for	=	1.000 ea sample	3030 D
Chromium, Cr	3.200	mg/kg	200.8
Molybdenum, Mo	<	0.001 mg/kg	200.8
Total kjeldahl nitrogen	1915.200	mg/kg	4500BF
Nitrite as N, NO2-N	<	0.100 mg/kg	4110 B
Ammonia nitrogen (-NH3)	176.600	mg/kg	4500 D
Volatile solids	4.100	% dry/wt	2540 G
Total solids at 105 .C	79.000	percent	2540 B

Laboratory Number: 15664.0001



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ANALYTE	RESULT UNITS	METHOD
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STANDARD METHODS, 20TH ED.; EPA METHODS, 3RD ED

Collected by:

HARRELL WILLIAMS on 02/19/13 at 14:00

Analysis by :

SEE ATTACHED QUALITY ASSURANCE PAGE.

Sample preservation and Laboratory Analysis conducted according to EPA 40 CFR Part 251. Test/Analyst/Time/Coeff./Var./ QA plan filed with ADPC&E.

Includes 10 % replication and 10 % recovery studies by random selection.

Instruments maintained and calibrated and records kept.

See Attached.

Copies to:

MR. HARRELL WILLIAMS
OPERATOR
121 EAST MERRIMAN

WYNNE, AR 72396-

Laboratory Number: 15664.0001 TKR Reviewed By: K. E. Sorrells, M.S. []



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QUALITY ASSURANCE

February 20, 2013

The following QA represents SRA's Quality Assurance values for this report.

ANALYTE	ANALYST	BEG. DATE	BEG. TIME	FIN. DATE	FIN. TIME	S.D. %	SPK. REC.	#IN BAT
ICP-MS METALS	CS/AP	02/28/13	1320	02/28/13	1508	0.20	102.5	12
ICP-MS METALS	CS/AP	02/28/13	1512	02/28/13	1526	3.36	86.9	1
Nitrate + nitrite as N	JTM	02/25/13	1036	02/25/13	1104	0.43	99.9	9
Phosphorus, total	AP	03/04/13	900	03/04/13	1400	1.50	103.0	13
pH <-H+>	CAS	02/26/13	1600	02/26/13	1615	0.00	0.0	1
Specific conductance	CAS	03/04/13	1220	03/04/13	1248	0.14	99.3	1
Total solids at 105 .C	AP	03/05/13	900	03/05/13	1600	1.00	101.0	1
Total kjeldahl nitrogen	JTM	03/04/13	937	03/04/13	1102	0.99	101.8	1
Volatiles (Surrogate Avg.	AP	03/05/13	900	03/05/13	1600	1.00	0.0	2

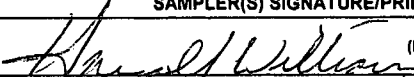
Field PH/TEMP/D.O. Sampler or Courier/ at time of sampling or pick up
Sample preservation and laboratory analysis conducted according to EPA
40 CFR Part 251 TEST/ANALYST/TIME/COEF. VAR.* QA PLAN filed with
ADPC&E. Include replication.

KES = K. E. Sorrells
JBS = James B. Sorrells
CAS = Cecil A. Sorrells
MKM = Mark Kyle McKenzie

KESII = K. E. Sorrells, II
TJS = Todd J. Sanders
JHD = J. Henry Dodson

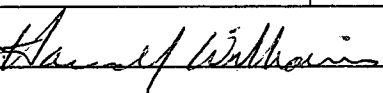


Laboratory Number: 15664.0001 TKR

TURNAROUND TIME RUSH 24HR. 48HR. 6 DAY REG. OTHER:	FOR LAB/OFFICE USE ONLY LAB # <u>156640001</u> CLIENT # <u>45023</u> P. O. # _____	STANDARD METHODS PRESERVATION PER EPA 40 CFR C 4 = COOL TO 4.0 C S<2 = SULFURIC ACID TO PH < 2 N<2 = NITRIC ACID TO PH > 2 T = THIOSULFATE W = AZIDE MODIFICATION (4500-0 C) P = MEMBRANE ELECTRODE (4500-0 G) NaOH = Ph > 12
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NAME OF COMPANY, CITY, OR PROJECT:	PROJECT NO:	SAMPLER(S) SIGNATURE/PRINT
WYNNE WATER UTILITIES		 (HARRELL WILLIAMS)

SAMPLE NO.	SAMPLE COLLECTION LOCATION	START	END	COMP/GRAB	FIELD ANALYSIS				D.O. (W)	CONTAINER TYPE	ANALYSIS
		DATE/TIME	DATE/TIME		PH	TEMP	FLOW	CL2	D.O. (P)	PRESERVATIVE	REQUIRED
1	Field #1		2/19/13 2:00 PM	Grab						Ziplock Bag	ANNUAL SOIL ANALYSIS 603 REG.
											PER THE PERMIT PAGE 10 PART III 3.A

METHOD OF SHIPMENT (CIRCLE)	FIELD CALIBRATION RECORD	NOTES/COMMENTS/OBSERVATIONS
FED-EX WALK-IN <input checked="" type="radio"/> SRA UPS OTHER	PH 7	
	PH 4	
TYPE OF SAMPLE(S): (CIRCLE)	PH 10	
WATER <input checked="" type="radio"/> SOIL <input type="radio"/> W/W SLUDGE OTHER	D. O.	
		FIELD ANALYSIS CONDUCTED BY: <input checked="" type="radio"/> SRA CLIENT

RELINQUISHED BY: 	DATE/TIME	RECEIVED BY: 	DATE/TIME <u>1330 2/20/13</u>
RELINQUISHED BY:	DATE/TIME	RECEIVED BY: 	DATE/TIME <u>1550 2/20/13</u>

WYNNE WATER UTILITIES
WYNNE, ARKANSAS
72396

Date: March 15, 2013

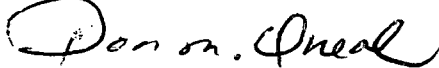
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Collected by:

HARRELL WILLIAMS on 02/19/13 at 14:00

Analysis by :

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Sample preservation and Laboratory Analysis conducted according to EPA 40 CFR Part 251. Test/Analyst/Time/Coeff./Var./ QA plan filed with ADPC&E. Includes 10 % replication and 10 % recovery studies by random selection. Instruments maintained and calibrated and records kept. See Attached.

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Laboratory Number: 15664.0001 TKR

TURNAROUND TIME
RUSH 24HR. 48HR.
6 DAY REG.
OTHER:

FOR LAB/OFFICE USE ONLY

LAB # 15664-0001
CLIENT # 45023
P. O. # _____

STANDARD METHODS PRESERVATION PER EPA 40 CFR

C 4 = COOL TO 4.0 C
S<2 = SULFURIC ACID TO PH < 2
N<2 = NITRIC ACID TO PH > 2
T = THIOSULFATE
W = AZIDE MODIFICATION (4600-0 C)
P = MEMBRANE ELECTRODE (4600-0 G)
NaOH = Ph > 12

NAME OF COMPANY, CITY, OR PROJECT:

PROJECT NO:

SAMPLER(S) SIGNATURE/PRINT

WYNNE WATER UTILITIES

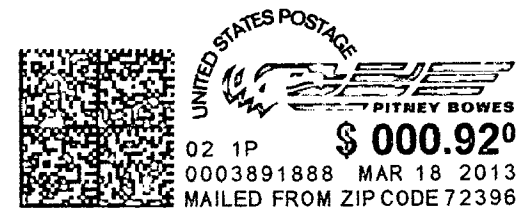
Harrell Williams (HARRELL WILLIAMS)

SAMPLE NO.	SAMPLE COLLECTION LOCATION	START	END	COMP/GRAB	FIELD ANALYSIS				D.O. (W)	CONTAINER TYPE	ANALYSIS REQUIRED
		DATE/TIME	DATE/TIME		PH	TEMP	FLOW	CL2			
1	Field #1		2/19/13 2:00 PM	Grab						Ziplock Bag	ANNUAL SOIL ANALYSIS 603 REG. PER THE PERMIT PAGE 10 PART III 3.A

METHOD OF SHIPMENT (CIRCLE) FED-EX WALK-IN <u>SRA</u> UPS OTHER	FIELD CALIBRATION RECORD PH 7 PH 4	NOTES/COMMENTS/OBSERVATIONS
TYPE OF SAMPLE(S): (CIRCLE) WATER <u>SOIL</u> W/W SLUDGE OTHER	PH 10 D. O.	
FIELD ANALYSIS CONDUCTED BY: <u>SRA</u> CLIENT		

RELINQUISHED BY: *Harrell Williams* DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: 1330
2/20/13

RELINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: 1550
2/20/13



WYNNE WATER UTILITIES

121 E. MERRIMAN
WYNNE, AR 72396

(870) 238-2751
"Water is Life"



← TO: →

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