

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT**

PERMITTEE NAME

Bethel Oaks Property Owners Association Inc

FACILITY NAME

Bethel Oaks Subdivision

PERMIT NO.

4875-WR-3

PERMITTEE ADDRESS

12531 Bethel Oaks Dr
Farmington AR 72730

FACILITY ADDRESS

CR 62 Farmington AR

AFIN NO.

72-01656

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

1/1/2020

MM/DD/YYYY

1/30/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.242,261	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.011241	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	20.5	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	132	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	6.71	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	44.3	mg/l		
Ammonia Nitrogen	REPORT	29.3	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	4.22	mg/l		
Plant Available Nitrogen (PAN)	REPORT	38	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER

Kathy Bartlett

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

SIGNATURE OF COGNIZANT OFFICIAL

K. Bartlett

TELEPHONE

(479) 530-5926

DATE

2/12/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

*** LOADING RATE BY ZONE**

Zone 1	0.000937	Zone 5	0.000937	Zone 9	0.000937
Zone 2	0.000937	Zone 6	0.000937	Zone 10	0.000937
Zone 3	0.000937	Zone 7	0.000937	Zone 11	0.000937
Zone 4	0.000937	Zone 8	0.000937	Zone 12	0.000937

Environmental Services Company, Inc.

Corporate Office
 13715 West Markham
 Little Rock, AR 72211
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
 1107 Century Avenue
 Springdale, AR 72762
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2001020130
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 01/24/20

Sample Date : 01/16/20
 Sample Time : 1340
 Sample Type : GRAB
 Sample From : EFFLUENT BETHEL OAKS

Collected By: JEW
 Delivery By : JEW
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
01/17	1000	TSB	Ammonia as N, (HACH 10205)	29.30 mg/L			SM 2011 4500-NH3 F	1.49	99.6 *
01/21	1100	TSB	Total Kjeldahl Nitrogen	44.3 mg/L			02/2014 HACH 10242	2.02	102.0 *
01/16	1340	JEW	pH	7.5 S.U.			SM 2011 4500-H+ B	0.00	N/A *
01/21	1000	TSB	Phosphorous, Total (as P)	6.71 mg/L			EPA 365.3	1.74	110.0 *
01/20	1230	TSB	Solids, Total Suspended	20.5 mg/L			SM 2011 2540 D	1.08	N/A *
01/16	1710	TSB	Fecal Coliform (MPN/100mL)	132.0 /100ml			06/2012 Colilert18	0.00	0.0 *
01/17	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	15.86	86.0 *
01/21	0840	TSB	Solids, % Total by mass	0.034 %			SM 1997 2540 G	16.39	N/A *
01/23	1000	TSB	Nitrate + Nitrite	4.22 mg/L			01/2013 HACH 10206	1.90	96.0 *
01/23	1115	TSB	Nitrogen, Plant Available	38.0 mg/L			SM 1997 4500-N		

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature _____

Environmental Services Co., Inc.

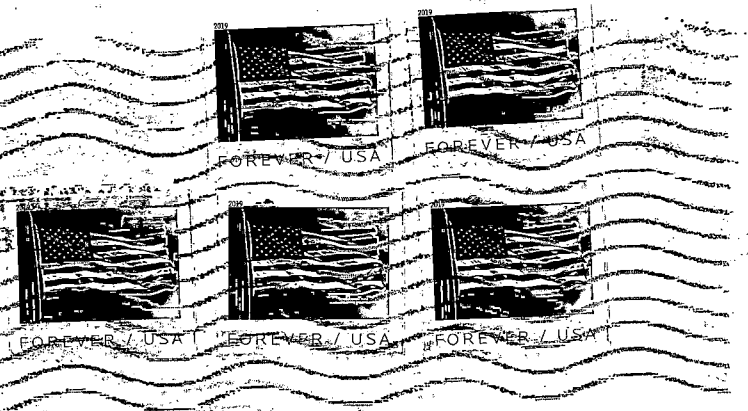
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NWA UTILITY SERVICES, INC

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Little Rock
SAT 15 FEB



ADEQ
WATER DIV. Permits
Branch
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N Little Rock, AR

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