

**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	MM/DD/YYYY
11/1/2019	11/31/2019

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.299424	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.010644	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	10	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 10.0	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	6.77	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l		
Ammonia Nitrogen	REPORT		mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER Kathy Bartlett	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	TELEPHONE (479) 530-5926
			DATE 12/16/2019

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE					
Zone 1	0.000887	Zone 5	0.000887	Zone 9	0.000887
Zone 2	0.000887	Zone 6	0.000887	Zone 10	0.000887
Zone 3	0.000887	Zone 7	0.000887	Zone 11	0.000887
Zone 4	0.000887	Zone 8	0.000887	Zone 12	0.000887

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: 1911020064
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 12/02/19

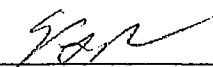
Sample Date : 11/20/19
 Sample Time : 1115
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: TWM
 Delivery By : TWM
 Work Order :
 Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
11/21	1000	TSB	Ammonia as N, (HACH 10205)	31.70 mg/L		SM 2011 4500-NH3 F	0.40	98.0 *
11/20	1115	TWM	pH	7.4 S.U.		SM 2011 4500-H+ B		
11/22	1445	TSB	Phosphorous, Total (as P)	6.77 mg/L		EPA 365.3	0.58	108.0
11/25	1430	TSB	Solids, Total Suspended	10.0 mg/L		SM 2011 2540 D	10.17	N/A *
11/20	1714	TSB	Fecal Coliform (MPN/100mL)	< 10.0 /100mL		06/2012 Colilert18	0.00	0.0 *
11/20	1600	TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	2.76	96.3 *

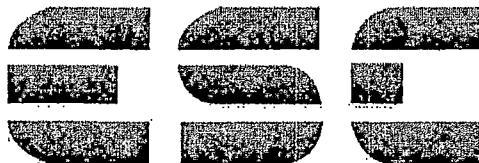
* QA data shown is from a different sample or standard on the same date.

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.

299,424
 10,643

Environmental Services Company, Inc.
 Northwest Arkansas
 1107 Century Street
 Springdale, Arkansas 72762
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas
 501-221-2565

Carlsbad, New Mexico
 575-887-1ESC

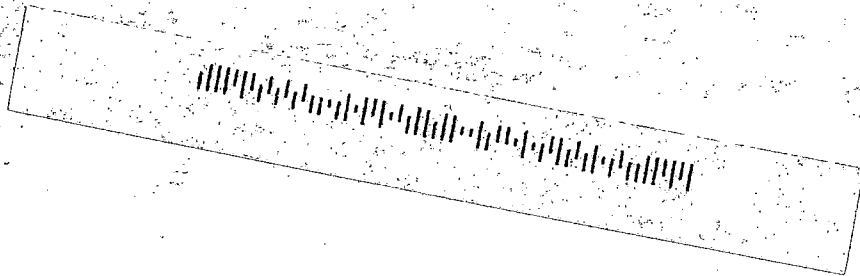
Phone: 479-750-1170 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters							
Company Name:		Bethel Oaks Utility, LLC				Permit/Project #:					pH (23)	Fecal Coliform (43.IF)	CBOD (70), TSS (28), % Solids (82)	T Phos (25)				
Address:		6516 Mesa Street Fayetteville, AR 72704				Purchase Order #:												
Telephone:		479-790-3813				Sampler Name(s):		Tyler Mack (R)										
Telephone:						and Signature(s):												
ESC Client Number:		1855																
Sample Identification			Sample Collection			Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
EFFLUENT	1911020064	11/20/19	11:15	GRAB	Water	teflon	150 ml	none	1	X								
EFFLUENT	1911020064	↓	↓	GRAB	Water	Whirlpak	100 ml	Na ₂ S ₂ O ₃	1		X							
EFFLUENT	1911020064	↓	↓	GRAB	Water	Plastic	1 qt	none/ice	1			X						
EFFLUENT	1911020064	↓	↓	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1				X					
Cool all samples to 6 degrees C.																		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>		Turnaround:		Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>		Were samples properly preserved:		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time											
Tyler Mack (R)		11/20/19	12:50	James Brooks Turner Brooks		11-20-19	12:50											
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units						
						Analyst:	pH:	11:15	TH	7.4	7.4							
						Time:	Temp.:	11:15	TH	13.4	10.3	°F						
						Reading:	DO:											
						Units:	Debris:											
Cool all samples to 6 degrees C.										Chlorinated? Yes No		This Document is Page <u>1</u> of <u>1</u>						

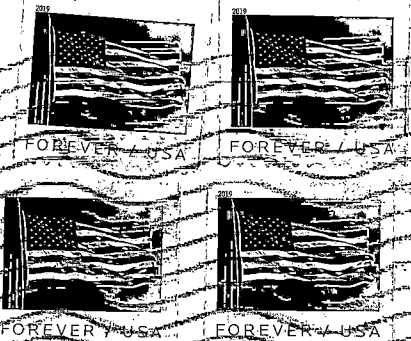
NWA UTILITY SERVICES, INC

PO Box 9299
Fayetteville, AR
72703



NWA PSDF 72703

FRI 20 DEC 2019 PM



ADEQ
Water Division
Permits Branch
5301 Northshore Dr
North Little Rock, AR
72118