

**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
4/1/2020		4/30/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.288,935	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.012627	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	22.5	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	58.8	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	58	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	8.88	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	64.9	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	63.8	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	1.79	mg/l		
Plant Available Nitrogen (PAN)	REPORT	65.9	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER	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
TYPED OR PRINTED			DATE
			5/12/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

TSS is higher than permit limit because the tanks before the treatment unit need to have the excess sludge pumped out. Working to get a septic hauler there to remove the solids asap

* LOADING RATE BY ZONE					
Zone 1	0.001052	Zone 5	0.001052	Zone 9	0.001052
Zone 2	0.001052	Zone 6	0.001052	Zone 10	0.001052
Zone 3	0.001052	Zone 7	0.001052	Zone 11	0.001052
Zone 4	0.001052	Zone 8	0.001052	Zone 12	0.001052

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: 2004020088
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 04/24/20

Sample Date : 04/16/20
 Sample Time : 1350
 Sample Type : GRAB WATER
 Sample From : EFFLUENT

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

Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
04/20	1200	TSB	Ammonia as N, (HACH 10205)	63.80 mg/L			SM 2011 4500-NH3 F	0.95	108.0 *
04/21	0900	TSB	Total Kjeldahl Nitrogen	64.9 mg/L			02/2014 HACH 10242	0.00	100.1 *
04/16	1352	TWM	pH	7.4 S.U.			SM 2011 4500-H+ B	0.00	N/A
04/23	0830	TSB	Phosphorous, Total (as P)	8.88 mg/L			EPA 365.3	1.85	110.0 *
04/21	1300	TSB	Solids, Total Suspended	58.8 mg/L	(b)		SM 2011 2540 D	0.00	N/A *
04/16	1630	TWM	Fecal Coliform (MPN/100mL)	58.4 /100ml			06/2012 Colilert18	0.00	N/A *
04/17	1200	TSB	BOD, Carbonaceous	22.5 mg/L			SM 2001 5210 B	2.88	95.0 *
04/22	1330	TSB	Nitrate + Nitrite	1.79 mg/L			01/2013 HACH 10206	1.00	98.6 *
04/23	1430	TSB	Nitrogen, Plant Available	65.9 mg/L			SM 1997 4500-N		

* QA data shown is from a different sample or standard on the same date.
 (b) Exceeds Permit Limits for Maximum Concentration

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.

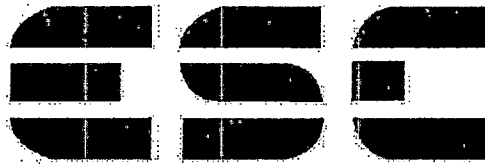
Signature _____

Environmental Services Co., Inc.

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 , 12,627

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



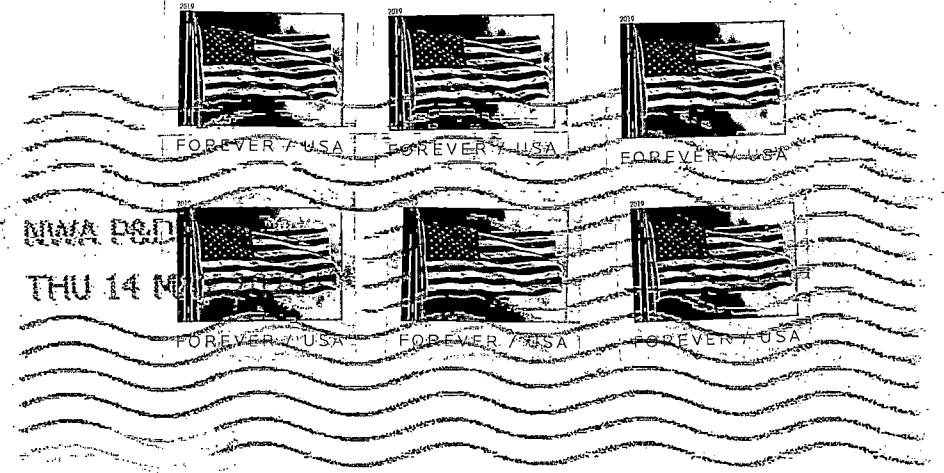
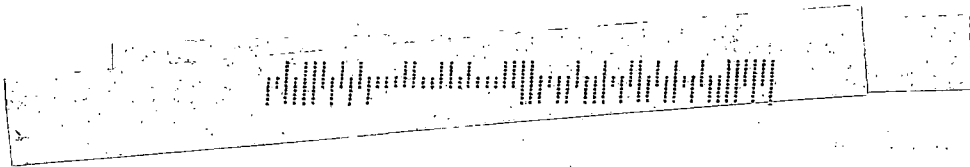
Corporate Office, Little Rock, Arkansas
 501-221-2565


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 #:		Quarterly			Fecal Coliform (43.1F)	CBOD (70), TSS (28)	T Phos (25), NH ₃ -N (15.A)	s-TKN (16.C) NO ₃ +NO ₂ -N (91)	PAN (99.99)	pH (23)	% Solids (82)
Address:		6516 Mesa Street Fayetteville, AR 72704				Purchase Order #:											
Telephone:		479-790-3813				Sampler Name(s):		T. Fermeck									
Telephone:						and Signature(s):											
ESC Client Number:		1855															
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	Fecal Coliform (43.1F)	CBOD (70), TSS (28)	T Phos (25), NH ₃ -N (15.A)	s-TKN (16.C) NO ₃ +NO ₂ -N (91)	PAN (99.99)	pH (23)	% Solids (82)	
EFFLUENT	2004026888	4/16/20	13:50	GRAB	Water	Sterile	100ml	Na ₂ S ₂ O ₃	1	X							
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	1/2 Gallon	none/ice	1		X					X	
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1			X	X	X			
EFFLUENT	↓	↓	↓	GRAB	Water	Glass	150 ml	none	0						X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	No						
Comments:		FLOW DATA		Field Test		Time	Analyst	Result	Result	Units							
		Analyst:		pH:		1352	TJM	7.4	7.4	(C)							
		Time:		Temp.:		1352	TJM	18.0	17.9	°F							
		Reading:		DO:													
		Units:		Debris:		NO											
Cool all samples to 6 degrees C.										Chlorinated? Yes (No)		This Document is Page 1 of 1					



 ***NWA Utility Services Inc***
PO Box 9299
Fayetteville, AR 72703

ADEQ
Water Division/Branch
5301 Northshore Dr
N Little Rock, AR 72118