

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

PERMITTEE NAME
Bethel Oaks Property Owners Association Inc
PERMITTEE ADDRESS
12531 Bethel Oaks Dr Farmington AR 72730

FACILITY NAME
Bethel Oaks Subdivision
FACILITY ADDRESS
CR 62 Farmington AR


PERMIT NO.
4875-WR-3

AFIN NO.
72-01656

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/1/2020	10/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.216,662	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.010,632	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	15	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	866	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	7.4	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	54	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	33.3	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	18	mg/l		
Plant Available Nitrogen (PAN)	REPORT	57.7	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
			11/12/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE					
Zone 1	886	Zone 5	886	Zone 9	886
Zone 2	886	Zone 6	886	Zone 10	886
Zone 3	886	Zone 7	886	Zone 11	886
Zone 4	886	Zone 8	886	Zone 12	886

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: 2010020080
Customer Name : BETHEL OAKS UTILITY,LLC
Customer/Permit No. : 1855 / 4875-WR-3
Report Date : 10/30/20

Sample Date : 10/22/20
Sample Time : 1440
Sample Type : GRAB
Sample From : EFFLUENT

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

Laboratory Analysis

<u>Analysis</u>						<u>Quality Assurance</u>			
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u> % RPD	<u>Accuracy</u> % Recovery
10/26	1500	HNS	Ammonia as N, (HACH 10205)	33.30 mg/L			SM 2011 4500-NH3 F	1.89	106.0 *
10/26	1245	TWM	Total Kjeldahl Nitrogen	54.0 mg/L			02/2014 HACH 10242	9.93	93.1 *
10/22	1445	TWM	pH	7.3 S.U.			SM 2011 4500-H+ B	0.00	N/A
10/27	1100	HNS	Phosphorous, Total (as P)	7.40 mg/L			EPA 365.3	0.00	96.0 *
10/23	0920	HNS	Solids, Total Suspended	15.0 mg/L			SM 2011 2540 D	66.67	N/A *
10/22	1710	HNS	Fecal Coliform (MPN/100mL)	866.4 /100mL			06/2012 Colilert18	0.00	N/A *
10/23	0930	TWM	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00	85.5 *
10/26	0930	HNS	Nitrate + Nitrite	18.00 mg/L			01/2013 HACH 10206	6.28	93.0 *
10/30	1030	TWM	Nitrogen, Plant Available	57.7 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.

KNM
210002
10 432

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

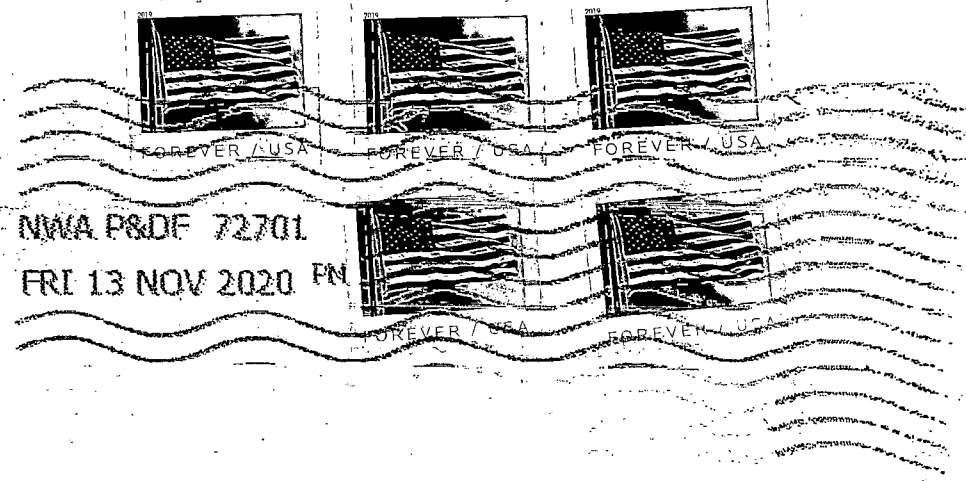
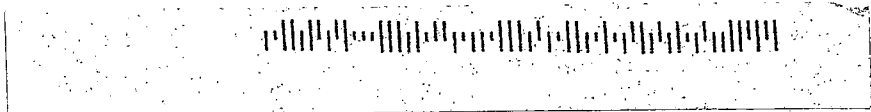
CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters						
Company Name: Bethel Oaks Utility, LLC						Permit/Project #: Quaterly					Fecal Coliform (43.IF)	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						Purchase Order #:											
Fayetteville, AR 72704						Sampler Name(s): <i>J. Hancock</i>											
Telephone: 479-790-3813						and Signature(s): <i>J. Hancock</i>											
Telephone:																	
ESC Client Number: 1855																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
EFFLUENT	2010020080	1/12/10	1440	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 for Lab 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:	1748	Thom	7.9	7.3	°C °F					
						Time:	Temp.:										
						Reading:	DO:										
						Units:	Debris:										
Cool all samples to 6 degrees C.						Chlorinated? Yes No			This Document is Page ___ of ___								



NWA Utility Services Inc
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317



NWA P&DF 72701

FRI 13 NOV 2020 FN